

STOCK ASSESSMENT AND FISHERY EVALUATION REPORT FOR THE  
GROUNDFISH FISHERIES OF THE GULF OF ALASKA AND BERING  
SEA/ALEUTIAN ISLANDS AREA:

ECONOMIC STATUS OF THE GROUNDFISH FISHERIES OFF ALASKA, 2012

by

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The authors of the Groundfish SAFE Economic Status Report invite users to provide feedback regarding the quality and usefulness of the Report and recommendations for improvement. AFSC's Economic and Social Sciences Research Program staff have begun an initiative to revise the SAFE Economic Status Reports for Alaska Groundfish and BSAI Crab to incorporate additional analytical content and synthesis, improve online accessibility of public data in electronic formats, and otherwise improve the utility of the reports to users. We welcome any and all comments and suggestions for improvements to the SAFE Economic Status Reports, and have developed an online survey to facilitate user feedback. The survey is available at:

[http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE\\_survey.php](http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE_survey.php)

This report will be available at:

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Time series of data for the tables presented in this report (in CSV format) are available at:

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## 1. INTRODUCTION

The domestic groundfish fishery off Alaska is an important segment of the U.S. fishing industry. With a total catch of 2.12 million metric tons (t), a retained catch of 2.05 million t, and an ex-vessel value of \$1,051 million in 2012, it accounted for 47.4% of the weight and 19.9% of the ex-vessel value of total U.S. domestic landings as reported in Fisheries of the United States, 2011 (FUS 2012 was not yet available at the time of this draft). The value of the 2012 groundfish catch after primary processing was \$2,540 million (F.O.B. Alaska).

All but a small part of the commercial groundfish catch off Alaska occurs in the groundfish fisheries managed by the National Marine Fisheries Service (NMFS) under the Fishery Management Plans (FMP) for the Gulf of Alaska (GOA) and the Bering Sea/Aleutian Islands area (BSAI) groundfish fisheries. In 2012, other fisheries accounted for only about 33,000 t of the catch reported above. The footnotes for each table in this document indicate if the estimates provided in that table are only for the fisheries with catch that is counted against a federal Total Allowable Catch (TAC) quota (i.e., managed under a federal FMP) or if they also include other Alaska groundfish fisheries. The reader should keep in mind that the distinction between catch managed under a federal FMP and catch managed by the state of Alaska is not merely a geographical distinction between catch occurring outside the 3-mile limit (in the U.S. Exclusive Economic Zone, or EEZ) and catch occurring inside the 3-mile limit (Alaska state waters). The state of Alaska maintains authority over some rockfish fisheries in the EEZ of the GOA, for example, and federal FMPs often manage catch from inside state waters in addition to catch from the EEZ. It is not always possible, depending on the data source(s) from which a particular estimate is derived, to definitively identify a unit of catch (or the price, revenue or other measure associated with a unit of catch) as being part of a federal FMP or otherwise. For Catch-Accounting System data from the NMFS Alaska Regional Office (AKR), for example, distinguishing between the two categories is relatively easy, but the distinction is at best approximate for Alaska Department of Fish & Game (ADF&G) fish ticket data and essentially impossible for Commercial Operator's Annual Report (COAR) data. Finally, even for catch that can be positively identified as being part of a federal TAC, it's not always possible to identify what portion of that catch might have come from inside Alaska state waters and what portion came from the federal EEZ. Because of these multiple layers of ambiguity, there may be tables in which the reader should not construe phrases such as "groundfish fisheries off Alaska" or "Alaska groundfish", as used in this report, to precisely include or exclude any category of state or federally managed fishery or to refer to any specific geographic area. These and similar phrases may mean groundfish from both Alaska state waters and the federal EEZ off Alaska, or groundfish managed only under federal FMPs or managed by both NMFS and the state of Alaska. Again, refer to the notes for each table for a description of what is included in the estimates provided in that table.

The BSAI and GOA groundfish fisheries are widely considered to be among the best managed fisheries in the world. These fisheries produce high levels of catch, ex-vessel revenue, processed product revenue, exports, employment, and other measures of economic activity while maintaining ecological sustainability of the fish stocks. However, the data required to estimate the success of these policies with respect to net benefits to either the participants in these fisheries or the Nation, such as cost or quota value (where applicable) data, are not available.

Fishery economists began discussing the potential for rent dissipation in fisheries managed with open access catch policies long ago (Scott 1954, Gordon 1955). The North Pacific region has gradually moved away from such management, as discussed by Holland (2000), and instituted catch share programs in many of its fisheries. Six of the 15 catch-share programs currently in operation throughout the U.S. operate in the North Pacific, accounting for approximately 75% groundfish landings. By allocating the catch to individuals, cooperatives, communities, or other entities catch share programs are intended to promote sustainability and increase economic benefits. Research on North Pacific fisheries has examined some of these issues after program implementation (e.g., Homans and Wilen 2005, Feltlhoven 2002, Wilen and Richardson 2008, Abbott et al. 2010). A new section on catch share metrics provides a consistent set of metrics to evaluate the North Pacific catch share programs in various dimensions. (The catch shares section of this economic status report will be available in the finalized report prepared for the November meeting of the Groundfish Plan Team)

This report presents the economic status of groundfish fisheries off Alaska in terms of economic activity and outputs using estimates of catch, prohibited-species catch (PSC), ex-vessel prices and value (i.e., revenue), the size and level of activity of the groundfish fleet, and the weight and gross value of (i.e., F.O.B. Alaska revenue from) processed products. The catch, ex-vessel value, and fleet size and activity data are for the fishing industry activities that are reflected in Weekly/Daily Production Reports, Observer Reports, fish tickets, and the Commercial Operator's Annual Reports. All catch data reported for 1991-2002 are based on the blend estimates of total catch, which were used by the NMFS Alaska Regional Office (AKR) to monitor groundfish and PSC quotas in those years. Catch data for 2003-2012 come from the AKR's catch-accounting system (CAS), which replaces the "blend" as the primary tool for monitoring groundfish and PSC quotas. The data descriptions, qualifications, and limitations noted in the overview of the fisheries, market reports and the footnotes to the tables are critical to understanding the information in this report.

A variety of external factors influence the economic status of the fisheries. Therefore, links to information concerning the following factors are included in this report (see External Factors, page 11): foreign exchange rates, the prices and price indices of products that compete with products from these fisheries, Producer Price Indices, fishery imports, and estimates of per-capita consumption of fisheries products. This report updates last year's report (Fissel *et al.* 2012) and is intended to serve as a reference document for those involved in making decisions with respect to conservation, management, and use of GOA and BSAI fishery resources.

Following the data tables is a section examining the economic performance in groundfish fisheries off Alaska through economic indices. Changes in value, price, and quantity, across species, product and gear types are represented in aggregate indices, allowing for a concise view of the relative performance across different sectors of the North Pacific fisheries. (The economic index section of this economic status report will be available in the finalized report prepared for the November meeting of the Groundfish Plan Team)

Another component of this report is a set of market profiles for pollock, Pacific cod, sablefish, and flatfish (yellowfin and rock sole, and arrowtooth flounder). The goal of these profiles is to discuss and, where possible, explain the market trends observed in pricing, volume, supply, and demand for each of these groundfish species. (The market profiles section of this economic status report will be available in the finalized report prepared for the November meeting of the Groundfish Plan Team)

Specifically, the market profiles provide information on the relatively recent trends in the prices and product choices for first-wholesale production of a given species, and the volumes and prices of exports, as well as changes in the volume of exports to different trading partners. For example, some groundfish caught off Alaska have a large share of the world market and observed changes may be tied to changes in the Alaskan supply (TAC), while in other cases the Alaskan share for that product may be relatively low and changes in the market could be driven by other countries' actions. Changes in consumer demand or the emergence of substitute products can also drive the market for a product or species. Thus, these reports discuss the way in which the particular species or product fits into the world market and how this fit is changing over time (e.g., the market share for the Alaska product may be growing or declining).

One fact that becomes evident when reading these profiles is that the type of information available for explaining the historical trends in a market varies greatly by species. Generally speaking, the amount of information available for each species is related to its value or market share.

There is considerable uncertainty concerning the future conditions of stocks, the resulting quotas, and future changes to the fishery management regimes for the BSAI and GOA groundfish fisheries. The management tools used to allocate the catch between various user groups can significantly affect the economic health of either the domestic fishery as a whole or segments of the fishery. Changes in fishery management measures are expected as the result of continued concerns with: 1) the catch of prohibited species; 2) the discard and utilization of groundfish catch; 3) the effects of the groundfish fisheries on marine mammals and sea birds; 4) other effects of the groundfish fisheries on the ecosystem and habitat; 5) excess harvesting and processing capacity; and 6) the allocations of groundfish quotas among user groups.

## 2. OVERVIEW OF FEDERALLY MANAGED FISHERIES OFF ALASKA, 2012

The commercial groundfish catch off Alaska totaled 2.12 million t in 2012. This amount was up about 2% from the 2011 catch (Fig. 1 and Table 1), and is roughly five times larger than the catch off Alaska of all other commercial species combined (Table 1A). The real ex-vessel value of the catch, including the imputed value of fish caught almost exclusively by catcher/processors decreased from \$2,118 million in 2011 to \$1,944 million in 2012 (Fig. 3 and Table 16A). The gross value of the 2012 catch after primary processing was approximately \$2,540 million (F.O.B. Alaska) (Table 25), an increase of 1.1% from 2011. The groundfish fisheries accounted for the largest share (54%) of the ex-vessel value of all commercial fisheries off Alaska in 2012 (Fig. 4, Tables 16A and 17A), while the Pacific salmon (*Oncorhynchus spp.*) fishery was second with \$441.3 million or 23% of the total Alaska ex-vessel value. The value of the shellfish fishery amounted to \$284.2 million or 15% of the total for Alaska and exceeded the value of Pacific halibut (*Hippoglossus stenolepis*) by about \$139.4 million.

### 2.1. Catch Data

During the last 10 years, estimated total catch in the commercial groundfish fisheries off Alaska varied between 1,521 and 2,191 million t (Fig. 1 and Table 1; these estimates include catch from both federal and state fisheries). The rapid displacement of the foreign and joint-venture fisheries by the domestic fishery between 1984 and 1991 can be seen by comparing Figures 1 and 2. By 1991, the domestic fishery accounted for all of the commercial groundfish catch off Alaska.

Walleye (Alaska) pollock (*Theragra chalcogramma*) has been the dominant species in the commercial groundfish catch off Alaska. The 2012 pollock catch of 1,310,400 t accounted for 61.9% of the total groundfish catch of 2,117 million t (Table 1), an increase of about 2.2% from 2011. The 2012 catch of flatfish, which includes yellowfin sole (*Pleuronectes asper*), rock sole (*Pleuronectes bilineatus*), and arrowtooth flounder (*Atheresthes stomias*), was 321,500 t or 15.2% of the total 2012 groundfish catch, a change of about -1.8% from 2011. The Pacific cod (*Gadus macrocephalus*) catch in 2012 accounted for 329,000 t or 15.5% of the total 2012 groundfish catch, up about 7.9% from a year earlier. Pollock, Pacific cod, and flatfish comprised 92.6% of the total 2012 groundfish catch. Other important species are sablefish (*Anoplopoma fimbria*), rockfish (*Sebastodes* and *Sebastolobus spp.*), and Atka mackerel (*Pleurogrammus monopterygius*). The contributions of the major groundfish species or species groups to the total catch in the domestic groundfish fisheries off Alaska are depicted in Figure 2.

Trawl, hook and line (including longline and jigs), and pot gear account for virtually all the catch in the BSAI and GOA groundfish fisheries. There are catcher vessels and catcher/processor vessels within each of these three gear groups. Table 2 presents catch data by area, gear, vessel type, and species. The catch data in Table 2 and the catch, PSC, and vessel information in the tables of the rest of this report are for the BSAI and GOA FMP fisheries unless otherwise indicated.

Over the last five years, the trawl catch averaged about 88.4% of the total catch, while the catch with hook-and-line gear accounted for 9.3%. Most species are harvested predominately with one

type of gear, which typically accounts for 90% or more of the catch. The one exception is Pacific cod, of which 35% (106,000 t) was taken by trawls in 2012, 48.5% (147,000 t) by hook-and-line gear, and 16.5% (50,000 t) by pot gear. In each of the years since 2006, catcher vessels took 41.3 - 44.4% of the total groundfish catch and catcher/processors took the remainder. The increase in catcher vessel catch from the years prior to 1999 (not shown in Table 2) is explained in part by the AFA, which among other things increased the share of the BSAI pollock TAC allocated to catcher vessels delivering to shoreside processors. The distribution of catch between catcher vessels and catcher/processor vessels differed substantially by species and area.

Target fisheries are defined by area, gear and target species. The target designations are used to estimate PSC, apportion PSC allowances by fishery, and monitor those allowances. The target fishery designations can also be used to provide estimates of catch and PSC data by fishery. The “blend” catch data are assigned to a target fishery by processor, week, area, and gear. The new catch-accounting system, which replaced the blend as the primary source of catch data in 2003, assigns the target at the trip level rather than weekly, except for the small fraction of total catch (0-4% in different years) that comes from NMFS Weekly/Daily Production Reports (WPR). CDQ fishing activity is targeted separately from non-CDQ fishing. Generally, the species or species group that accounts for the largest proportion of the retained catch of the TAC species is considered the target species. One exception to the dominant retained-catch rule is that the target for the pelagic pollock fishery is assigned if 95% or more of the total catch is pollock. Tables 3 and 4 provide estimates of total catch by species, area, gear, and target fishery for the GOA and the BSAI, respectively. Beginning in 2011, Kamchatka flounder is broken out from the “Other flatfish” target species category in the BSAI only. As such, the other flatfish target category is not comparable between 2011 and prior years in Tables 4 , 8, 10, 13, and 15; and the other flatfish species category is not comparable in Tables 4, 8, and 26.

Residents of Alaska and of other states, particularly Washington and Oregon, are active participants in the BSAI and GOA groundfish fisheries. Catch data by residency of vessel owners are presented in Table 5. These data were extracted from the NMFS blend and catch accounting system catch databases and from the State of Alaska groundfish fish ticket database and vessel-registration file, which includes the stated residency of each vessel owner. For the domestic groundfish fishery as a whole, 84.2% of the 2012 catch volume was made by vessels with owners who indicated that they were not residents of Alaska. The catches of the two vessel-residence groups were much closer to being equal in the GOA where Alaskan vessels accounted for the majority of the Pacific cod catch. Note that in 2010 we changed the method by which we produced Table 5. Since the Alaska Region’s CAS data (unlike the earlier Blend data) now include catcher-vessel IDs for all processing sectors, and information on vessel-owner residency is readily available from both NMFS and the state of Alaska, we can obtain direct estimates of groundfish catch by owner residence. Previously, we had estimated the amount of catch by residency for the shoreside sector by prorating CAS estimates based on the fraction of catch by residency obtained from shoreside fish-ticket data, which have always included catcher-vessel IDs.

## 2.2. Groundfish Discards and Discard Rates

The discards of groundfish in the groundfish fishery have received increased attention in recent years by NMFS, the Council, Congress, and the public at large. Table 6 presents the catch-accounting system estimates of discarded groundfish catch and discard rates by gear, area, and species for

years 2008-2012. The discard rate is the percent of total catch that is discarded. These are the best available estimates of discards and are used for several management purposes, however, they should be viewed as “noisy” estimates. The groundfish TACs are established and monitored in terms of total catch, which is both retained catch and discarded catch. The catch-composition sampling methods used by at-sea observers provide the basis for NMFS to make good estimates of total catch by species, not the disposition of that catch. Observers on vessels sample randomly chosen catches for species composition. For each sampled haul, they also make a visual approximation of the weight of the non-prohibited species in their samples that are being retained by the vessel. This is expressed as the percent of that species that is retained. Approximating this percentage is difficult because discards can occur in a variety of ways such as fish falling off of processing conveyor belts, dumping of large portions of nets before bringing them on-board the vessel, dumping fish from the decks, size sorting by crewmen, and quality-control discards. For the most common species (e.g. pollock and cod) retention requirement help to mitigate this error and approximations are likely to be fairly accurate. Because the discard estimates are derived by expanding these approximations from sampled hauls to the remainder of the catch they should be considered noisy for the purposes of analysis.

For the BSAI and GOA fisheries as a whole the annual discard rate for groundfish was about 3%-6% for the years 2008-2012. The overall discard rate in 2008 represents a two-thirds reduction from the 1997 rate of 14.5% (not shown in Table 6), a result of prohibiting pollock and Pacific cod discards in all BSAI and GOA groundfish fisheries beginning in 1998. Total discards decreased by about 60% from 1997 to 2006 due to the reduction in the discard rate, while the total catch increased by about 6%. Amendment 80, implemented in 2008, also required a large decrease in discards for the BSAI non-pollock catcher processor fleet. The prohibitions on pollock and Pacific cod discards were so effective in decreasing the overall discard rate because the discards of these two species had accounted for 43% of the overall discards in 1997. The benefits and costs of the reduction in discards since 1997 have not been determined. In 2012, the overall discard rates were about 6% and 3%, respectively, for the GOA and the BSAI compared to 16% and 14% in 1997.

Although the fixed gear fisheries accounted for a small part of both total catch or total discards in 1998 and later years, the overall discard rates were substantially higher for fixed gear (10% in 2012) than for trawl gear (3% in 2012). Prior to 1998, the overall discard rates had been similar for these two gear groups. This change occurred because the prohibition on pollock and Pacific cod discards had a much larger effect on trawl discards than on fixed gear discards. In the BSAI, the 2012 discard rates were 6% and 6% for fixed and trawl gear, respectively. In the GOA, however, the corresponding discard rates were 11% and 2%. One explanation for the relatively low discard rates for the BSAI trawl fishery is the dominance of the pollock fishery with very low discard rates. The mortality rates of groundfish that are discarded are thought to differ by gear or species; however, estimates of groundfish discard mortality are not available.

Tables 7, 8, 9 and 10, respectively, provide estimates of discarded catch and discard rates by species, area, gear, and target fishery. Within each area or gear type, there are substantial differences in discard rates among target fisheries. Similarly, within a target fishery, there are often substantial differences in discard rates by species. Typically, in each target fishery the discard rates are very high except for the target species. The regulatory exceptions to the prohibition on pollock and Pacific cod discards explain, in part, why there are still high discard rates for these two species in some fisheries.

### 2.3. Prohibited-Species Catch

The catch of Pacific halibut, king and tanner crab (*Chionoecetes*, *Lithodes* and *Paralithodes spp.*), Pacific salmon (*Oncorhynchus spp.*), and Pacific herring (*Clupea pallasi*) in Alaska groundfish fisheries has been a central management issue for roughly thirty years. The retention of these species was prohibited first in the foreign groundfish fisheries to ensure that groundfish fishermen had no incentive to target these species. Estimates of the catch of these “prohibited species” for 2008-2012 are summarized by area and gear in Table 11. More detailed estimates of prohibited species catch (PSC) and of PSC rates for 2011 and 2012 are in Tables 12-15. The estimates for halibut are in terms of PSC mortality because the PSC limits for halibut are set and monitored using estimated discard mortality rates. The estimates for the other prohibited species are of total PSC; this is in part due to the lack of well-established discard mortality rates for these species. The discard mortality rates probably approach 100% for salmon and herring in the groundfish fishery as a whole; the discard mortality rates for crab, however, may be lower.

There was a very large increase of other king crab PSC in 2007, mostly in the BSAI Pacific cod and sablefish pot fisheries. The “other king crab” category includes blue king crab (*Paralithodes platypus*) and golden king crab (*Lithodes aequispina*). The total other-king-crab PSC in 2007 was about 10 times the average annual PSC for the years 1994-2006; other-king-crab PSC declined in 2008 and then again in 2009, but still remained at roughly three times the long-term average. In recent years (2010-2012) the other king-crab PSC declined to a little more than one and a half times the 1994-2006 average. The increase in blue king crab PSC in 2007 is partly explained by the expansion of effort in the Pacific cod pot fishery northward to NMFS reporting area 524 in the vicinity of St. Matthew Island, where a floating processor was stationed to accept deliveries of Pacific cod (the processor was not present in 2006, 2008 or 2009). The rest of the 2007 increase is likely due to the lack of observer coverage in the sablefish and Pacific cod pot fisheries (pot vessels over 60 feet in length are required to have observer coverage for only 30% of their fishing days), so that a few observed pot lifts with large crab PSC resulted in high calculated PSC rates that were then applied to the rest of the fishery. The decline of other-king-crab PSC in 2008 is explained in part by the reduction of effort in area 524 (no Pacific cod pot harvest occurred in area 524 in 2008, and only about 540 t occurred in 2009, compared to over 2,000 t in 2007), but also possibly due to a change in fishing patterns after managers informed the industry that high PSC was occurring in certain areas. The total number of observed pot vessels in area 524 in 2008 and 2009 combined was 90% fewer than the number observed in 2007 alone.

The at-sea observer program was developed for the foreign fleets and then extended to the domestic fishery. The observer program, managed by the Fisheries Monitoring and Analysis Division (FMA) of the Alaska Fisheries Science Center, resulted in fundamental changes in the nature of the PSC problem. First, by providing good estimates of total groundfish catch and non-groundfish PSC by species, it eliminated much of the concern that total fishing mortality was being vastly underestimated due to fish that were discarded at sea. Second, it made it possible to establish, monitor, and enforce the groundfish quotas in terms of total catch as opposed to only retained catch. Third, it made it possible to implement and enforce PSC quotas for the non-groundfish species that by regulation had to be discarded at sea. Finally, it provided extensive information that managers and the industry could use to assess methods to reduce PSC and PSC mortality. In summary, the observer program provided fishery managers with the information and tools necessary to prevent PSC from adversely affecting the stocks of the PSC species. The available information helps identify the types of information and management measures that are required to reduce PSC to the extent

practicable, as is required by the Magnuson-Stevens Fishery Conservation and Management Act (MSA).

#### 2.4. Ex-Vessel Prices and Value

Table 18A contains the estimated ex-vessel prices that were used with estimates of retained catch to calculate ex-vessel values. The estimates of ex-vessel value by area, gear, type of vessel, and species are in Table 19A. Notice that the estimates of ex-vessel prices and value for trawl-caught GOA rockfish in this year's report are no longer based on fractions of processed-product prices and value as in the past (refer to the footnote to Table 18A). A recent analysis by AFSC staff determined that in every year since 2000 at least 20% of all rockfish retained landings in Alaska was caught by trawl gear in the GOA and delivered to shoreside processors; this means that we have adequate data on these shoreside landings to estimate ex-vessel prices (and thus values) directly.

The ex-vessel value of the domestic landings in the FMP fisheries, excluding the value added by at-sea processing, decreased from \$979.8 million in 2008 to \$688.9 million in 2009, decreased further to \$661.2 million in 2010, then increased to \$992.5 million in 2011, and increased again to \$1050.7 million in 2012. The substantial decrease in 2010 results mostly from significant decreases in ex-vessel prices, particularly for Pacific cod, due in part to the economic recession that deepened at the end of 2008. The increase in subsequent years was largely a result of increasing value from sablefish, pacific cod and flatfish while the value from pollock has leveled off. The distribution of ex-vessel value by type of vessel differed by area, gear and species. In 2012, catcher vessels accounted for 48.2% of the ex-vessel value of the groundfish landings compared to 44.4% of the total catch because catcher vessels take larger percentages of higher-priced species such as sablefish, which was \$5.28 per pound in 2011 and \$4.18 per pound in 2012. Similarly, trawl gear accounted for only 73% of the total ex-vessel value compared to 88.2% of the catch because much of the trawl catch is of lower-priced species such as pollock, which was about \$0.17 per pound in 2012.

Tables 20A and 21A summarize the ex-vessel value of catch delivered to shoreside processors by vessel-size class, gear, and area. Table 20A gives the total ex-vessel value in each category and Table 21A gives the ex-vessel value per vessel. The relative dominance of each of the three vessel size classes differs by area and by gear.

Table 22A provides estimates of ex-vessel value by residency of vessel owners, area, and species. For the BSAI and GOA combined, 78% of the 2012 ex-vessel value was accounted for by vessels with owners who indicated that they were not residents of Alaska. Vessels with owners who indicated that they were residents of Alaska accounted for about 22% of the total. The vessels owned by residents of Alaska accounted for a larger share of the ex-vessel value than of catch (22% compared to 84.2%) because these vessels accounted for relatively large shares of the higher-priced species such as sablefish. Notice that, as with Table 5, we have revised the method for producing Table 22A to use information on catcher-vessel IDs in catch-accounting system data to better determine the residency of participants in the fisheries.

Table 23A presents estimates of ex-vessel value of catch delivered to shoreside processors, and Table 24A gives the ex-vessel value of groundfish as a percentage of the ex-vessel value of all species delivered to shoreside processors. The data in both tables, which include both state and federally managed groundfish, are reported by processor group, which is a classification of shoreside processors

based primarily on their geographical locations. The processor groups are described in the footnote to the tables.

This 2013 version of the Economic Status Report presents an additional set of tables, Tables 16B-24B, showing ex-vessel prices and value utilizing prices derived from ADF&G fish tickets priced by the Commercial Fishery Entry Commission (CFEC). This provides an alternative source of ex-vessel prices to the Commercial Operator Annual Report (COAR) purchasing data that has historically been used to assemble Tables 16-24 (now presented as Tables 16-24A). CFEC fish ticket prices reflect actual transactions reported on shoreside and mothership landing reports, adjusted by analysts with consideration to COAR buying data, and these prices have been subject to additional scrutiny not applied to COAR purchase prices; and thus may be more reflective of ex-vessel fishery value. Given the differences observed for some species between the two pricing methods, we have chosen to present prices and revenue utilizing both pricing sources. Tables 16B-24B are valid only for the years after 2003.

## 2.5. First Wholesale Production, Prices and Value

Estimates of weight and value of the processed products made with BSAI and GOA groundfish catch are presented by species, product form, area, and type of processor in Tables 25, 28 and 29. Product price-per-pound estimates are presented in Table 26, and estimates of total product value per round metric ton of retained catch (first wholesale prices) are reported in Table 27. As for ex-vessel value, there were significant declines in the product value of Pacific cod between 2008 and 2009, and most of the change appears to have been driven by declines in prices resulting from the economic downturn that deepened at the end of 2008 and continued through 2009. Since then, the first wholesale value of Pacific cod products has rebounded and in 2012 and were 108.4% of the 2008 levels.

Table 30 reports estimates of the weight and first-wholesale value of processed products from catch in the non-groundfish commercial fisheries of Alaska, which enables comparison with the groundfish first-wholesale value estimates reported in Table 25. The total first-wholesale value of just the pollock and Pacific cod groundfish fisheries typically exceeds that of all non-groundfish fisheries combined. We present Table 30 to provide a further means, besides the ex-vessel value estimates reported in Table 16A, of comparing the groundfish and non-groundfish fisheries.

Gross product value (F.O.B. Alaska) data, through primary processing, are summarized by category of processor and by area in Table 31, and by catcher/processor category, size class and area in Table 32. Table 33 reports gross product value per vessel, categorized in the same way as Table 32. Tables 34 and 35 present gross product value of groundfish processed by shoreside processors and the groundfish gross product value as a percentage of all-species gross product value, with both tables broken down by processor group. The processor groups are the same as in Tables 23A and 24A and no distinction is made between groundfish catch from the state and federally managed groundfish fisheries.

## 2.6. Counts and Average Revenue of Vessels That Meet a Revenue Threshold

For the purposes of Regulatory Flexibility Act analyses, a business involved in fish harvesting is defined by the Small Business Administration (SBA) as a small business if it is independently owned

and operated, not dominant in its field of operation (including its affiliated operations worldwide). Historically the SBA defined the small business threshold in the finfish fishing industry to be entities that had combined annual receipts of no greater than \$4 million. In June 2013, the SBA revised the small entity size standard for the finfish fishing industry (NAICS code 114111) from \$4 million to \$19 million. The current version of this report has maintained the use of the \$4 million threshold for the data presented in Tables 36-39 for the sake of continuity, however future versions may apply the new \$19 million threshold.

The information necessary to determine if a vessel is independently owned and operated and had gross earnings no greater than \$4.0 million is not available. For example, vessel earnings can include tendering income, which is not tracked, and revenue from fishing activities outside of Alaska, to which we have limited access. By using estimates of vessels' revenue from the catch or processing of Alaska groundfish and other species, however, it is possible to identify vessels that clearly are not small entities.

Estimates of both the numbers of fishing vessels that clearly are not small entities and the numbers of fishing vessels that may be small entities are presented in Tables 36A and 37A, respectively. With more complete revenue, ownership and affiliation information, some of the vessels included in Table 37A would be determined to be large entities. Estimates of the average revenue per vessel for the vessels in Tables 36A and 37A, respectively, are presented in Tables 38A and 39A. As data become available, we hope in the future to improve revenue estimates by including revenue from participation in fisheries in the lower 48 states and by incorporating information about the vessels' cooperative affiliations.

The 2013 version of the SAFE represents a revision to these tables as presented in previous versions of the report. Data on ex-vessel revenue from federal West Coast fisheries, including the imputed ex-vessel value of the at-sea whiting fishery, have been incorporated into estimates of vessel revenue in all tables. Information on cooperative affiliations in the AFA pollock, Amendment 80 non-pollock trawl, Central Gulf of Alaska rockfish, Bering Sea & Aleutian Islands crab, and the freezer longliner BSAI Pacific cod fisheries, in addition to known corporate affiliations, has additionally been incorporated. Tables 36A, 37A, 38A, and 39A provide vessel counts and average revenues with entity size determined without regard to affiliation, while Tables 36B, 37B, 38B, and 39B provide these same data with entity size determined with regard to affiliation.

## 2.7. Effort (Fleet Size, Weeks of Fishing, Crew Weeks)

Estimates of the numbers and registered net tonnage of vessels in the groundfish fisheries are presented by area and gear in Table 40B, and estimates of the numbers of vessels that landed groundfish are depicted in Fig. 6 by gear type. More detailed information on the BSAI and GOA groundfish vessels by type of vessel, vessel size class, catch amount classes, and residency of vessel owners is in Tables 41-46. In particular, Table 43 gives detailed estimates of the numbers of smaller (less than 60 feet) hook-and-line catcher vessels.

Estimates of the number of vessels by month, gear, and area are in Table 47. Table 48 provides estimates of the number of catcher vessel weeks by size class, area, gear, and target fishery. Table 49 contains similar information for catcher/processor vessels.

Weekly/Daily Production Reports include employment data for at-sea processors but not inshore processors. These employment data are summarized in Table 50 by month and area. The data indicate that in 2012, the crew weeks (defined as the number of crew aboard each vessel in a week summed over the entire year) totaled 107,195 with the majority of them (103,745) occurring in the BSAI groundfish fishery. In 2012, the maximum monthly employment (16,404) occurred in July. Much of this was accounted for by the BSAI pollock fishery.

## 2.8. Observer Coverage and Costs

The information provided by the FMA division of the AFSC has had a key role in the success of the groundfish management regime. For example, it would not be possible to monitor total allowable catches (TACs) in terms of total catch without observer data from the FMA. Similarly, the PSC limits, which have been a key factor in controlling the catch of prohibited species, could not be used without such data. In recent years, the reliance on observer data for individual vessel accounting is of particular importance in the management of the CDQ program, AFA pollock, BSAI crab, and Amendment 80 fisheries. In addition, much of the information that is used to assess the status of groundfish stocks, to monitor the interactions between the groundfish fishery and marine mammals and sea birds, and to analyze fishery management actions is provided by the FMA. In previous years, Table 51 provided estimates of the numbers of vessels and plants with observers, the numbers of observer-deployment days, and observer costs by year and type of operation. In 2013, the restructured observer program was implemented and more detailed treatment of observer cost estimates can be found in the analysis of the restructuring at: [http://alaskafisheries.noaa.gov/analyses/observer/amd86\\_amd76\\_earirirfa0311.pdf](http://alaskafisheries.noaa.gov/analyses/observer/amd86_amd76_earirirfa0311.pdf).

## 2.9. External Factors

There are a variety of partially external factors that affect the economic performance of the BSAI and GOA groundfish fisheries. They include landing market prices in Japan, wholesale prices in Japan, U.S. imports of groundfish products, U.S. per capita consumption of seafood, U.S. consumer and producer price indices, and foreign exchange rates. We have discontinued publishing these data, presented in Tables 52 - 60 in previous years, either because the data are no longer available or because they are readily available online, often in a more useful format.

In particular, the Japanese Ministry of Agriculture, Forestry & Fisheries has discontinued reporting landing market prices and wholesale prices for all but one of the species previously reported in Tables 52 and 53. Without a continuous time series of prices for a variety of commodities, we believe these data are no longer useful.

Estimates of U.S. imports and per-capita consumption of various fisheries products, previously published in Table 54-56 of this report, are available in Fisheries of the United States (FUS), published annually by the NMFS Office of Science & Technology. The 2012 FUS is available at: <http://www.st.nmfs.noaa.gov/Assets/commercial/fus/fus11/index.html>.

Annual and monthly U.S. economic indicators (producer and consumer price indices), published in past years in Tables 57 and 58 are available from the U.S. Department of Labor Statistics at: <http://www.bls.gov/data/sa.htm>. Instead of the gross domestic product (GDP) implicit price deflators we've used in the past, we now use the Producer Price Index (PPI) for unprocessed and

packaged fish to deflate the ex-vessel and first-wholesale value estimates reported in Tables 16A and 30, respectively. The PPIs are available from the Bureau of Labor Statistics at: <http://data.bls.gov/cgi-bin/srgate>, using the series ID ‘WPU0223’.

Foreign exchange rates, which we’ve previously published in Tables 59 and 60, are available from the U.S. Federal Reserve Board (for all currencies except the Icelandic kronur) at: [www.federalreserve.gov](http://www.federalreserve.gov). Exchange rates for Iceland’s kronur are available at: [www.oanda.com](http://www.oanda.com).

## 2.10. Request for Feedback

The estimates in this report are intended both to provide information that can be used to describe the Alaska groundfish fisheries and to provide the industry and others an opportunity to comment on the validity of these estimates. We hope that the industry and others will identify any data or estimates in this report that can be improved and provide the information and methods necessary to improve them for both past and future years. There are two reasons why it is important that such improvements be made. First, with better estimates, the report will be more successful in monitoring the economic performance of the fisheries and in identifying changes in economic performance that may be attributable to regulatory actions. Second, the estimates in this report often will be used as the basis for estimating the effects of proposed fishery management actions. Therefore, improved estimates in this report will allow more informed decisions by those involved in managing and conducting the Alaska groundfish fisheries. The industry and other stakeholders in these fisheries can further improve the usefulness of this report by suggesting other measures of economic performance that should be included in the report, or other ways of summarizing the data that are the basis for this report, and participating in voluntary survey efforts NMFS may undertake in the future to improve existing data shortages. An online survey to facilitate user feedback is available at: [http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE\\_survey.php](http://www.afsc.noaa.gov/REFM/Socioeconomics/Contact/SAFE_survey.php).

## 2.11. Citations

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## 2.12. Acknowledgements

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### 3. FIGURES REPORTING ECONOMIC DATA OF THE GROUNDFISH FISHERIES OFF ALASKA

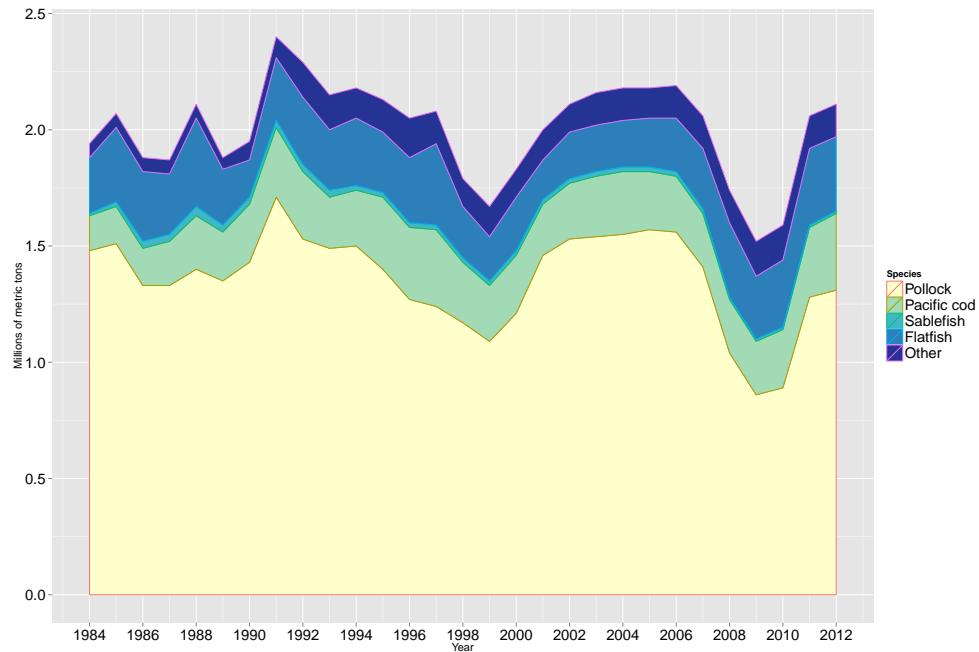


Figure 1: Groundfish catch in the commercial fisheries off Alaska by species, 1984-2012

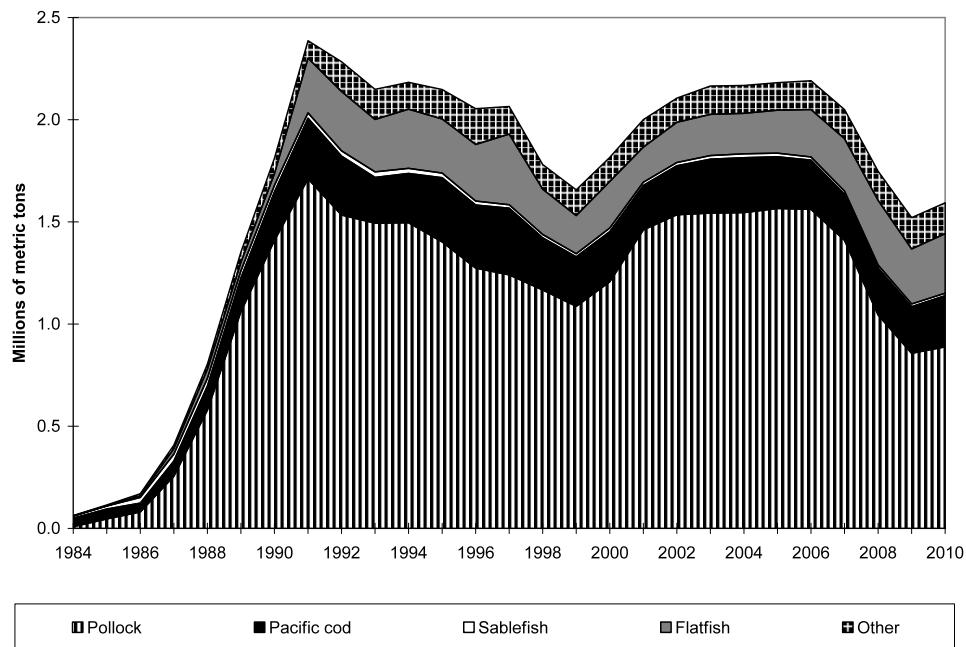


Figure 2: Groundfish catch in the domestic commercial fisheries off Alaska by species, (1984-2010)

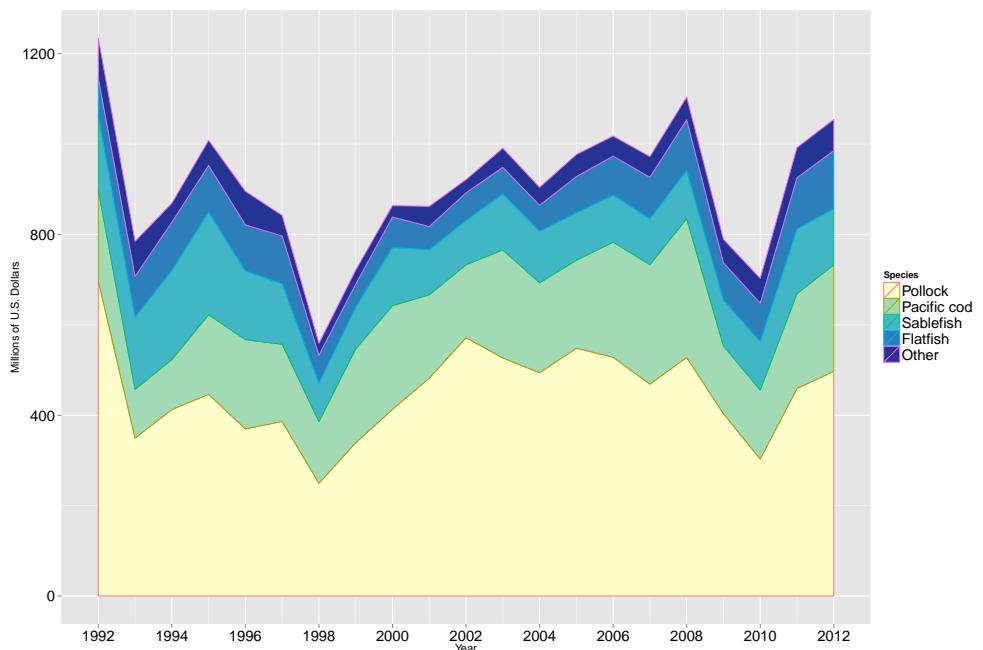


Figure 3: Real ex-vessel value of the groundfish catch in the domestic commercial fisheries off Alaska by species, 1992-2012 (base year = 2012)

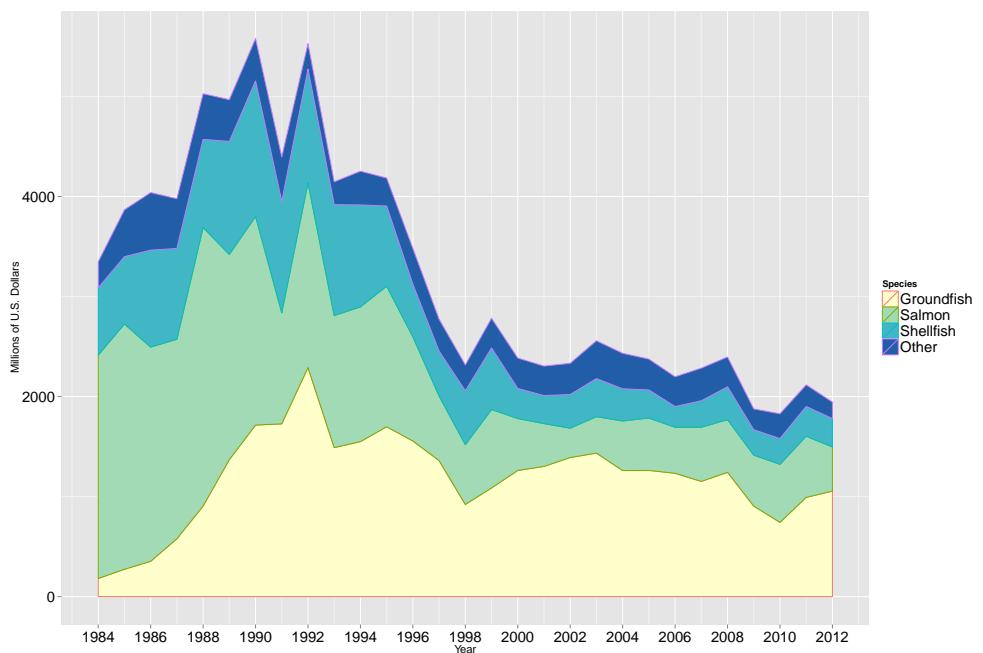


Figure 4: Real ex-vessel value of the domestic fish and shellfish catch off Alaska by species group, 1984-2012 (base year = 2012)

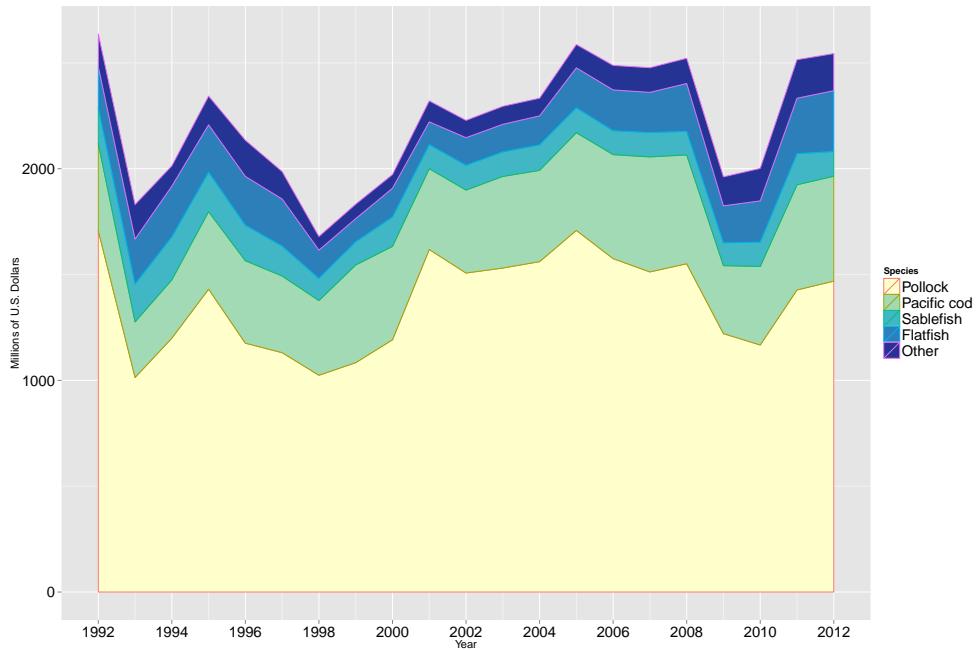


Figure 5: Real gross product value of the groundfish catch off Alaska by species, 1992-2012 (base year = 2012)

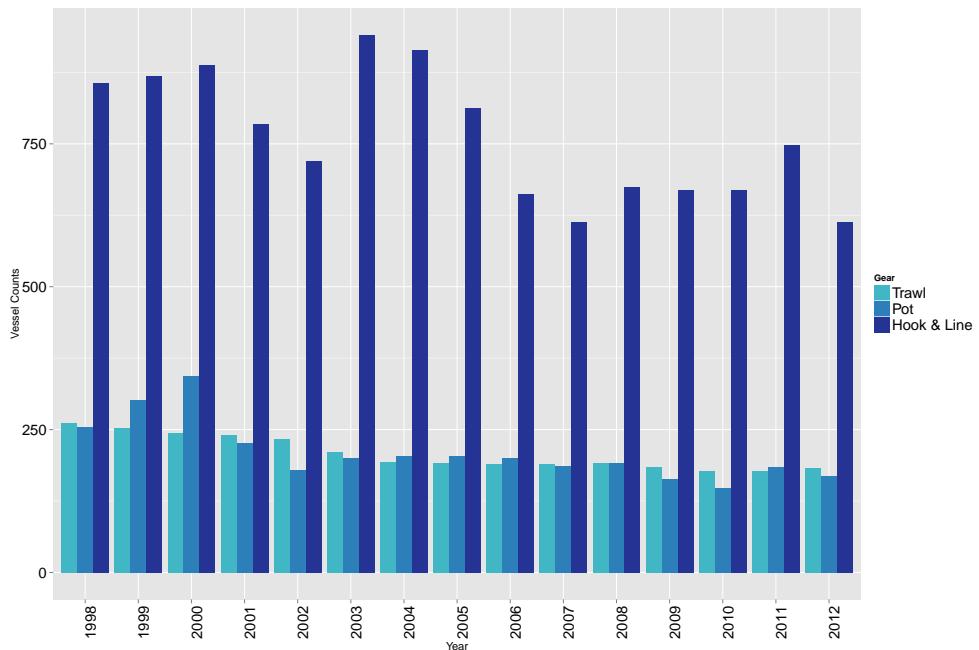


Figure 6: Number of vessels in the domestic fishery off Alaska by gear type, 1998-2012

## 4. TABLES REPORTING ECONOMIC DATA OF THE GROUNDFISH FISHERIES OFF ALASKA

### 4.1. Catch, Discards and Prohibited Species Catch Data Tables

Table 1: Groundfish catch in the commercial fisheries of Alaska by area and species, 2003 - 2012 (1,000 metric tons, round weight)

Year	Pollock	Sablefish	Pacific Cod	Flatfish	Rockfish	Atka Mackerel	Total
2003	50.7	15.5	52.6	42	23.7	0.6	191.5
2004	63.8	17	56.6	23.4	22.3	0.8	188.7
2005	81	15	47.6	30	20.6	0.8	200.3
2006	72	13.5	47.9	42.2	24.3	0.9	208.8
Gulf of Alaska	52.7	12.8	51.5	40.5	23.4	1.5	189.4
	52.6	12.6	58.9	46.1	23.1	2.1	201.9
	44.2	11	52.9	42.4	22.7	2.2	183.3
	76.9	10.1	78	37.9	25.3	2.4	237.7
	81.3	11.2	84.8	41	23	1.6	249.8
	104	11.9	78	29.6	27.3	1.2	258.2
	1492.6	2.1	211	159.8	20.8	58.1	1973.5
	1481.7	2	212.2	174.7	17.7	60.6	1979.2
	1484.6	2.5	205.6	180.5	15.1	62	1981.1
	1489.4	2.2	193	189.5	17.7	61.9	1982.1
Bering Sea & Aleutian Islands	1357	2.3	174.1	216.2	23.6	58.8	1860.1
2007	991.9	2	170.9	270.5	21.7	58.1	1546.1
2008	812.5	2	175.7	226.8	19.5	72.8	1337.6
2009	811.7	1.8	171.9	253.9	23.5	68.6	1355.2
2010	1200.5	1.7	220.1	286.4	28.2	51.8	1818.2
2011	1206.4	1.9	251.1	291.9	28.1	47.8	1858.8
All Alaska	1543.2	17.6	263.5	201.8	44.6	58.7	2165
2004	1545.5	19	268.8	198.1	40	61.4	2167.8
2005	1565.6	17.6	253.2	210.5	35.7	62.8	2181.4
2006	1561.4	15.7	240.9	231.7	42	62.8	2190.9
2007	1409.7	15.1	225.6	256.7	47	60.2	2049.5
2008	1044.5	14.7	229.8	316.6	44.8	60.2	1748
2009	856.8	13	228.7	269.3	42.2	75	1520.8
2010	888.5	11.9	249.9	291.8	48.8	71.1	1592.9
2011	1281.8	12.9	304.9	327.3	51.2	53.4	2068
2012	1310.4	13.9	329	321.5	55.5	49	2117

**Notes:** These estimates include catch from both federal and state of Alaska fisheries.

**Source:** National Marine Fisheries Service, Office of Science and Technology, Fisheries Statistics Division, Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)).

Table 1A: Catch of species other than groundfish in the domestic commercial fisheries, 1998 - 2012  
(1,000 metric tons)

Year	Crab	Other Shellfish	Salmon	Halibut	Herring	Total
1998	126.7	4.2	284	30.5	39.4	484.7
1999	93.5	4.1	363.6	34.4	38.7	534.3
2000	23.8	3.3	275.2	32.5	30.8	365.6
2001	21.4	2.8	311.3	33.7	38.4	407.8
2002	26.3	3.8	237.3	35.4	31.7	334.3
2003	25.8	2.5	286	34.8	31.3	380.4
2004	23.9	3.6	316.6	34.7	32.2	410.9
2005	25.9	2.9	395.7	33.5	38.9	496.9
2006	31.4	2.5	287.8	31.4	36.2	389.2
2007	32.1	2.1	390.7	30.5	30.5	485.8
2008	45.1	2.3	290.4	29.3	38.2	405.4
2009	40.6	2	304.6	26.2	39.4	412.8
2010	36.1	1.9	343.3	24.9	49.2	455.4
2011	36.5	1.5	334.8	18.7	44.7	436.3
2012	50.8	1.7	277.2	14.7	34	378.4

**Notes:** These estimates include catch from both federal and state of Alaska fisheries

**Source:** National Marine Fisheries Service, Office of Science and Technology, Fisheries Statistics Division, Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)).

Table 2: Groundfish catch off Alaska by area, vessel type, gear and species, 2008 - 2012 (1,000 metric tons, round weight)

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Sablefish	2008	11	1	12	0	0	1	11	2	13
	2009	9	1	10	1	1	1	10	2	11
	2010	9	1	9	1	1	1	9	1	10
	2011	9	1	10	1	0	1	10	1	11
	2012	10	1	11	1	0	1	11	1	12
Pacific Cod	2008	7	5	12	1	93	95	8	98	107
	2009	9	6	14	1	101	102	9	107	116
	2010	9	8	17	1	89	90	9	97	107
	2011	9	8	17	1	118	119	10	126	136
	2012	11	5	15	1	131	132	11	136	147
Hook & Line	2008	1	0	1	0	4	4	1	4	5
	2009	0	0	0	0	5	5	0	5	5
	Flatfish	2010	0	0	1	0	5	5	0	5
	2011	0	0	0	0	5	5	0	5	5
	2012	0	0	0	0	6	6	0	6	6
Rockfish	2008	1	0	1	0	0	0	1	1	2
	2009	1	0	1	0	0	0	1	1	2
	2010	1	0	1	0	1	1	1	1	2
	2011	1	0	1	0	0	0	1	0	1
	2012	1	0	1	0	0	0	1	0	2
All Groundfish	2008	22	7	29	3	118	122	25	126	151
	2009	22	7	30	1	126	127	23	133	156
	2010	20	11	31	2	112	114	22	123	145
	2011	21	10	32	2	147	149	23	157	180
	2012	25	6	31	2	163	164	26	169	195

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Table 2: Continued

		Gulf of Alaska		Bering Sea & Aleutian Islands			All Alaska				
		Year	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Pot	Pacific Cod	2008	11	*	11	16	3	19	27	3	30
		2009	11	*	11	11	4	14	22	4	26
		2010	20	-	20	17	3	20	37	3	40
		2011	29	*	29	25	3	28	54	3	57
		2012	21	*	21	23	5	29	45	5	50
Pollock		2008	51	1	52	525	462	987	576	462	1038
		2009	41	2	43	435	373	808	476	375	851
		2010	74	1	75	424	383	807	498	384	882
		2011	78	2	80	633	562	1195	710	564	1275
		2012	100	2	101	635	567	1202	734	568	1303
Trawl	Sablefish	2008	0	0	1	0	0	0	0	1	1
		2009	0	0	1	0	0	0	0	1	1
		2010	0	0	1	0	0	0	0	1	1
		2011	1	1	1	0	0	0	1	1	1
		2012	0	0	1	0	0	0	0	1	1
	Pacific Cod	2008	19	1	20	31	22	53	50	23	73
		2009	12	2	14	30	27	57	42	29	71
		2010	21	1	22	28	30	58	49	31	80
		2011	15	1	16	40	33	73	55	35	90
		2012	19	1	20	48	37	85	67	39	106
Flatfish		2008	32	13	45	10	257	266	41	270	311
		2009	27	15	42	10	212	222	37	227	264
		2010	23	15	37	4	244	249	27	259	286
		2011	23	18	41	10	272	281	33	289	322
		2012	17	12	29	14	272	286	31	284	315

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Table 2: Continued

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Rockfish	2008	9	13	22	1	20	21	10	33	43
	2009	8	14	21	1	18	19	9	31	40
	2010	9	15	24	1	21	23	11	36	47
	2011	9	13	22	2	26	28	11	39	50
	2012	11	15	26	2	25	28	13	40	54
Trawl	2008	0	2	2	1	57	58	2	59	60
	2009	0	2	2	3	69	73	3	72	75
	Atka Mackerel	0	2	2	4	65	69	4	67	71
	2011	0	2	2	5	46	52	5	48	53
	2012	0	1	1	5	43	48	5	44	49
All Groundfish	2008	115	30	145	572	828	1399	686	858	1544
	2009	91	36	127	483	710	1193	574	746	1320
	2010	130	35	165	464	753	1216	593	788	1381
	2011	128	37	164	691	949	1640	819	985	1804
	2012	149	32	181	706	954	1660	856	986	1841
All Gear	2008	148	38	186	592	949	1542	740	987	1727
	2009	125	43	168	496	840	1335	621	883	1504
	All Groundfish	171	46	217	483	868	1351	653	914	1567
	2011	179	47	226	719	1099	1818	898	1145	2044
	2012	196	38	234	732	1122	1853	927	1160	2087

**Notes:** The estimates are of total catch (i.e., retained and discarded catch). All groundfish include additional species categories. These estimates include only catch counted against federal TACs. A dash (-) indicates that data are not available, either because there was no activity or to preserve confidentiality.

**Source:** Source: NMFS Alaska Region Catch Accounting System estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 3: Gulf of Alaska groundfish catch by species, gear, and target fishery, 2011 - 2012 (1,000 metric tons, round weight)

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	All Species
Hook & Line	Pollock, Bottom	*	-	*	-	-	-	-	-	-	-	*
	Sablefish	0	9	0.1	0.3	0	-	0	0	0.7	-	10.5
	Pacific Cod	0.1	0	15.9	0.1	0	*	0	0	0.1	0	17.9
	Rockfish	-	*	0	-	-	-	-	0	-	-	0
	All Targets	0.1	10.1	17.1	0.3	0	*	0	0	1.1	0	31.5
2011 Pot	Pacific Cod	0	0	29.2	0	*	-	-	0	0	0	30.3
	All Targets	0	0	29.2	0	*	-	-	0	0	0	30.3
Trawl	Pollock, Bottom	16.8	0	1.3	1.7	0.2	0.1	0	0.3	0.2	0	20.7
	Pollock, Pelagic	59	0	0.2	0.3	0	0	0	0	0.1	0	59.9
	Sablefish	0	0.2	0	0	0	0	0	0	0.1	-	0.3
	Pacific Cod	0.4	0.1	11.5	0.5	0.2	0	0	0.9	0	0	14
	Arrowtooth	2.2	0.3	1.7	23.5	1.5	1.4	0.2	0.8	1.1	0	34.2
	Flathead Sole	0.1	0	0.1	0.8	0.4	0.1	0	0.1	0	0	1.7
	Rex Sole	0.1	0	0.2	1.8	0.2	1.1	0	0	0.4	*	3.9
	Flatfish, Shallow	0.3	0	0.8	1.5	0.3	0.1	0	1.8	0	*	5.2
	Rockfish	0.8	0.4	0.6	0.3	0	0.1	0.1	0	19.9	1.4	23.8
	All Targets	79.6	1.1	16.3	30.5	2.7	2.9	0.4	4	21.7	1.5	163.7

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Table 3: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	All Species
Hook & Line	Pollock, Bottom	*	-	-	-	-	-	-	-	-	-	*
	Sablefish	0	10.3	0	0.3	0	-	0	0	1.1	-	12.3
	Pacific Cod	0.2	0	15	0.1	0	-	*	0	0	*	17
	Rockfish	-	-	0	-	-	-	-	-	0.1	-	0.1
	All Targets	0.2	11.1	15.2	0.4	0	-	0	0	1.5	*	30.8
2012 Pot	Pacific Cod	0	0	21.2	0	*	-	0	0	0	0	21.9
	All Targets	0	0	21.2	0	*	-	0	0	0	0	21.9
Trawl	Pollock, Bottom	13.4	0	0.9	0.9	0.1	0	0	0.1	0.1	*	15.8
	Pollock, Pelagic	83.6	0	0.3	0.5	0	0	*	0	0.3	0	84.8
	Sablefish	0	0.2	*	0	*	0	0	0	0.1	-	0.3
	Pacific Cod	1.5	0	16.2	0.8	0.2	0.1	0	0.8	0.1	0	20.2
	Arrowtooth	1	0.2	0.9	14.3	0.9	1.2	0.1	0.4	1.1	0	21.2
	Flathead Sole	0.2	0	0.1	0.8	0.4	0.2	0	0.2	0	-	2.1
	Rex Sole	0.2	0	0.2	1	0.2	0.8	0.1	0.1	0.1	*	3
	Flatfish, Shallow	0.7	0	1	1.3	0.2	0	0	2.4	0	*	6.3
	Rockfish	0.6	0.5	0.4	0.8	0	0.1	0.1	0.1	24	1.2	27.7
	All Targets	101.2	0.9	20.2	20.3	2.2	2.4	0.3	4	25.8	1.2	181.4
All Gear	All Targets	101.4	11.9	56.7	20.7	2.2	2.4	0.3	4	27.3	1.2	234.1

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 4: Bering Sea and Aleutian Islands groundfish catch by species, gear, and target fishery, 2011 - 2012 (1,000 metric tons, round weight)

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Yellow Fin	Flat Other	Rockfish	Atka Mackerel	All Species
Hook & Line	Pollock, Bottom Sablefish	*	-	*	*	-	*	-	-	-	-	-	*
	Pacific Cod	0	0.9	0	0	0	*	-	*	*	0.1	-	1.2
	Arrowtooth	5.5	0	118.4	1.3	0	0.3	0	0.7	0.1	0.1	0	144.4
	Turbot	-	*	-	*	-	-	-	-	-	*	-	*
	Rockfish	0	0	0.1	0.2	*	0	-	*	*	0	*	2.6
	All Targets	-	-	-	-	-	-	-	-	-	*	-	*
Pot	Sablefish	*	0.5	0	0	0	-	-	-	0	0	-	0.6
	Pacific Cod	0	0	28	0	-	0	0	0	0	0	0	28.7
	All Targets	0	0.5	28	0	0	0	0	0	0	0	0	29.3
	Pollock, Bottom	110.6	0	3.2	0.6	0	2	5.4	0.7	0.2	0.2	0.8	125.1
2011 Trawl	Pollock, Pelagic	1061.3	0	6.8	1	0	2.9	3.1	0.4	0.3	0.5	0.1	1077.9
	Pacific Cod	3.5	*	36.4	0.2	0	0.2	1.5	1.1	0.6	0	0.2	44.5
	Arrowtooth	0.9	0	0.2	10.5	3.4	0.3	0	0	0.5	0.4	0.1	17.7
	Kamchatka Flounder	0.3	0	0	2.5	5.6	0	0	0	0	0.4	0.1	9.9
	Flathead Sole	1.5	-	0.9	0.4	0.1	2.4	0.9	0.9	0.4	0.1	*	7.8
	Rock Sole	7.1	-	7.3	0.4	0	2	39.7	9.8	3.5	0	0	71.6
	Turbot	*	*	-	0	0	*	*	-	*	0	-	0
	Yellowfin	8.7	*	16.3	2.3	0.1	3.2	9.8	136.9	19.9	0	0	201.2
	Other Flatfish	0.1	-	0.2	0	*	0	0.1	0.6	1.2	*	-	2.2
	Rockfish	0.5	0	0.3	0.5	0.4	0.1	0.1	0	0.1	19.9	1.8	24.1
	Atka Mackerel	0.5	0	1.5	0.3	0.2	0	0.1	-	0	6.3	48.7	58.1
	All Targets	1194.9	0.1	73.3	18.9	9.9	13.2	60.6	150.5	26.7	27.9	51.8	1640.1

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Table 4: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Yellow Fin	Flat Other	Rockfish	Atka Mackerel	All Species
Hook & Line	Sablefish	*	1	0	0	0	-	-	-	0	0.1	*	1.3
	Pacific Cod	4.8	0	131.6	1.3	0.1	0.3	0	1	0.1	0.1	0	159.3
	Kamchatka Flounder	-	*	-	*	*	*	-	-	-	*	-	*
	Turbot	0	0	0.1	0.4	0.3	0	-	-	0	0.1	-	3.2
	Rockfish	-	*	*	*	*	*	-	-	*	*	-	*
	All Targets	4.8	1.2	131.8	1.7	0.5	0.3	0	1	0.1	0.3	0	164
Pot 2012	Sablefish	*	*	*	*	*	*	-	-	*	*	-	*
	Pacific Cod	0	-	28.7	0	0	0	0	0	0	0	0	29
	All Targets	0	*	28.7	0	0	0	0	0	0	0	0	29
Trawl	Pollock, Bottom	107.3	0	3.9	0.3	0	1.6	3.9	0.9	0.2	0.5	0.2	119.8
	Pollock, Pelagic	1069.5	*	6.2	0.5	0	2.3	2.9	0.6	0.3	0.3	0.1	1084.5
	Pacific Cod	3.7	*	43.9	0.2	0	0.2	1.4	0.8	0.3	0.1	0.4	51.6
	Arrowtooth	0.7	0.1	0.2	15.6	2.1	0.6	0	0	0.3	0.3	0.1	21.3
	Kamchatka Flounder	0.1	0.1	0	1.6	5.9	*	0	0	0	0.2	0.5	10
	Flathead Sole	0.9	*	0.4	0.4	0.1	3.3	0.6	0.1	0.2	0.1	-	6.2
	Rock Sole	6.8	-	9.8	0.1	0	0.8	58.2	9.6	2.8	0	*	89.6
	Yellowfin	11.2	-	19.2	1	0.1	2.1	9	133.7	14.8	0	-	195.3
	Other Flatfish	0.2	*	0.2	0.1	0	0.1	0	0.6	1	0.1	*	2.2
	Rockfish	0.7	0	0.3	0.5	0.2	0	0	0	0.1	19.7	1.4	23.3
	Atka Mackerel	0.4	0	1.3	0.8	0.7	0	0.1	0	0	6.5	45	56
	All Targets	1201.6	0.2	85.3	21	9.1	11.1	76.1	146.2	20.1	27.8	47.8	1660
All Gear	All Targets	1206.4	1.4	245.8	22.7	9.6	11.4	76.1	147.2	20.1	28.1	47.8	1853

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 5: Groundfish catch off Alaska by area, residency, and species, 2008 - 2012 (1,000 metric tons, round weight)

	Year	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
		Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2008	22	30	183	809	205	839
	2009	19	24	125	687	144	711
	2010	35	41	136	676	170	716
	2011	31	49	182	1019	212	1068
	2012	39	63	172	1034	211	1097
Sablefish	2008	7	6	1	1	7	8
	2009	6	5	1	1	7	6
	2010	5	5	0	1	6	6
	2011	6	5	1	1	6	6
	2012	6	6	1	1	7	7
Pacific Cod	2008	23	21	32	134	55	155
	2009	24	16	35	138	59	154
	2010	34	25	37	131	71	156
	2011	40	23	46	174	86	197
	2012	37	20	51	195	88	215
Flatfish	2008	12	34	60	211	71	245
	2009	13	30	59	168	72	198
	2010	12	26	67	187	78	214
	2011	8	33	21	265	29	298
	2012	6	24	5	287	11	311
Rockfish	2008	5	18	0	21	5	40
	2009	6	17	1	19	6	36
	2010	7	18	1	23	8	41
	2011	4	18	1	28	5	46
	2012	6	22	0	28	6	50
Atka Mackerel	2008	0	2	0	58	0	60
	2009	0	2	0	73	0	75
	2010	0	2	0	69	0	71
	2011	0	2	0	52	0	53
	2012	0	1	0	48	0	49
All Groundfish	2008	72	114	281	1260	353	1374
	2009	71	97	226	1110	297	1207
	2010	97	120	245	1106	342	1226
	2011	93	133	255	1563	347	1697
	2012	96	138	234	1620	330	1758

**Notes:** These estimates include only catch counted against federal TACs. Catch delivered to motherships is classified by the residence of the owner of the mothership. All other catch is classified by the residence of the owner of the fishing vessel. All groundfish include additional species categories. Other includes catch by vessels for which residency information was unavailable.

**Source:** NMFS Alaska Region Catch Accounting System estimates, fish tickets, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 6: Discards and discard rates for groundfish catch off Alaska by area, gear, and species, 2008 - 2012 (1,000 metric tons, round weight)

	Year	Fixed		Trawl		All Gear	
		Total Discards	Discard Rate	Total Discards	Discard Rate	Total Discards	Discard Rate
Pollock	2008	0.1	29 %	3.6	7 %	3.7	7 %
	2009	0	4 %	2.5	6 %	2.6	6 %
	2010	0.1	44 %	1.1	1 %	1.2	2 %
	2011	0	20 %	1.9	2 %	2	2 %
	2012	0	20 %	1.9	2 %	2	2 %
Sablefish	2008	0.7	6 %	0.1	8 %	0.8	6 %
	2009	0.6	6 %	0.1	9 %	0.7	6 %
	2010	0.4	4 %	0	5 %	0.4	4 %
	2011	0.4	4 %	0.2	16 %	0.6	5 %
	2012	0.3	3 %	0.1	8 %	0.4	3 %
Pacific Cod	2008	0.3	1 %	3	15 %	3.3	8 %
	2009	0.9	3 %	3	21 %	3.8	10 %
	2010	0.4	1 %	2.4	11 %	2.8	5 %
	2011	1.2	3 %	0.6	4 %	1.8	3 %
	2012	0.3	1 %	0.7	3 %	1	2 %
Gulf of Alaska	2008	0.9	93 %	10.2	23 %	11.1	24 %
	2009	0.4	91 %	12.5	30 %	12.9	30 %
	2010	0.5	93 %	10.3	27 %	10.8	28 %
	2011	0.3	91 %	7.5	18 %	7.8	19 %
	2012	0.4	90 %	5.7	19 %	6	20 %
Rockfish	2008	0.3	22 %	1.3	6 %	1.6	7 %
	2009	0.3	23 %	1.6	8 %	1.9	8 %
	2010	0.4	30 %	1.3	6 %	1.7	7 %
	2011	0.3	26 %	1.6	7 %	1.9	8 %
	2012	0.5	32 %	1.6	6 %	2.1	8 %
Atka Mackerel	2008	0	99 %	1.3	62 %	1.3	63 %
	2009	0	100 %	0.9	41 %	0.9	41 %
	2010	0.1	100 %	1.2	49 %	1.2	51 %
	2011	0	99 %	0.6	36 %	0.6	36 %
	2012	0	85 %	0.5	42 %	0.5	42 %
All Groundfish	2008	4.6	11 %	21.2	15 %	25.7	14 %
	2009	5.2	12 %	21.9	17 %	27.1	16 %
	2010	4	8 %	17.8	11 %	21.8	10 %
	2011	4.7	8 %	13.3	8 %	18.1	8 %
	2012	3.3	6 %	11.6	6 %	14.9	6 %

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Table 6: Continued

	Year	Fixed		Trawl		All Gear	
		Total Discards	Discard Rate	Total Discards	Discard Rate	Total Discards	Discard Rate
Pollock	2008	0.9	16 %	6.8	1 %	7.7	1 %
	2009	0.6	13 %	5.8	1 %	6.4	1 %
	2010	0.8	20 %	3.1	0 %	3.9	0 %
	2011	0.9	15 %	4	0 %	4.9	0 %
	2012	0.5	10 %	5.1	0 %	5.6	0 %
Sablefish	2008	0.1	5 %	0	0 %	0.1	5 %
	2009	0	1 %	0	4 %	0	1 %
	2010	0	2 %	0	3 %	0	2 %
	2011	0	1 %	0	4 %	0	1 %
	2012	0	1 %	0	1 %	0	1 %
Pacific Cod	2008	1.7	1 %	0.5	1 %	2.2	1 %
	2009	1.6	1 %	0.6	1 %	2.3	1 %
	2010	1.6	1 %	1.4	2 %	2.9	2 %
	2011	1.9	1 %	0.5	1 %	2.5	1 %
	2012	1.8	1 %	1.1	1 %	2.9	1 %
Bering Sea & Aleutian Islands	2008	2.8	66 %	30.7	12 %	33.4	12 %
Flatfish	2009	2.9	62 %	23.7	11 %	26.7	12 %
	2010	2.4	46 %	22.8	9 %	25.1	10 %
	2011	2.5	51 %	22.4	8 %	24.8	9 %
	2012	2.9	51 %	18.9	7 %	21.8	7 %
	2008	0.2	56 %	2.3	11 %	2.6	12 %
Rockfish	2009	0.2	50 %	2	11 %	2.3	12 %
	2010	0.3	42 %	1.5	7 %	1.8	8 %
	2011	0.1	38 %	1	4 %	1.1	4 %
	2012	0.1	27 %	1.4	5 %	1.5	5 %
	2008	0.1	98 %	1.1	2 %	1.3	2 %
Atka Mackerel	2009	0.1	84 %	2.9	4 %	2.9	4 %
	2010	0.1	52 %	3.9	6 %	4	6 %
	2011	0	81 %	1.7	3 %	1.8	3 %
	2012	0	55 %	1.3	3 %	1.4	3 %
	2008	18	13 %	51.2	4 %	69.3	4 %
All Groundfish	2009	16.3	11 %	45.1	4 %	61.4	5 %
	2010	14.9	11 %	40.2	3 %	55.1	4 %
	2011	20.8	12 %	37.6	2 %	58.5	3 %
	2012	20.8	11 %	36.1	2 %	56.9	3 %

Continued on next page.

Table 6: Continued

	Year	Fixed		Trawl		All Gear	
		Total Discards	Discard Rate	Total Discards	Discard Rate	Total Discards	Discard Rate
Pollock	2008	0.9	17 %	10.4	1 %	11.4	1 %
	2009	0.6	13 %	8.3	1 %	8.9	1 %
	2010	1	22 %	4.1	0 %	5.1	1 %
	2011	0.9	16 %	6	0 %	6.8	1 %
	2012	0.5	11 %	7.1	1 %	7.6	1 %
Sablefish	2008	0.8	6 %	0.1	7 %	0.9	6 %
	2009	0.6	5 %	0.1	8 %	0.7	6 %
	2010	0.4	4 %	0.1	5 %	0.5	4 %
	2011	0.4	3 %	0.2	15 %	0.6	4 %
	2012	0.3	2 %	0.1	6 %	0.4	3 %
Pacific Cod	2008	2	1 %	3.5	5 %	5.5	3 %
	2009	2.5	2 %	3.6	5 %	6.1	3 %
	2010	2	1 %	3.8	5 %	5.8	3 %
	2011	3.1	2 %	1.2	1 %	4.3	2 %
	2012	2.1	1 %	1.7	2 %	3.9	1 %
All Alaska	2008	3.7	71 %	40.8	13 %	44.5	14 %
	2009	3.4	64 %	36.2	14 %	39.6	15 %
	Flatfish	2.8	50 %	33.1	12 %	35.9	12 %
	2011	2.8	53 %	29.8	9 %	32.6	10 %
	2012	3.3	53 %	24.6	8 %	27.9	9 %
Rockfish	2008	0.5	30 %	3.6	8 %	4.1	9 %
	2009	0.5	31 %	3.7	9 %	4.2	10 %
	2010	0.7	34 %	2.8	6 %	3.5	7 %
	2011	0.4	29 %	2.6	5 %	3	6 %
	2012	0.6	31 %	3	6 %	3.5	6 %
Atka Mackerel	2008	0.1	98 %	2.4	4 %	2.6	4 %
	2009	0.1	87 %	3.8	5 %	3.9	5 %
	2010	0.1	67 %	5.1	7 %	5.2	7 %
	2011	0	84 %	2.3	4 %	2.4	4 %
	2012	0	63 %	1.8	4 %	1.9	4 %
All Groundfish	2008	22.6	12 %	72.4	5 %	95	5 %
	2009	21.5	12 %	67	5 %	88.5	6 %
	2010	18.9	10 %	58	4 %	76.9	5 %
	2011	25.6	11 %	50.9	3 %	76.5	4 %
	2012	24.1	10 %	47.7	3 %	71.8	3 %

**Notes:** All groundfish and all gear may include additional categories. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are as follows: 1) they are wholly or partially derived from observer estimates; 2) discards occur at many different places on vessels; 3) observers record only a rough approximation of what they see; 4) the sampling methods used by at-sea observers provide the basis for NMFS to make good estimates of total catch by species, not the disposition of that catch. 5) catch is only partially observed by the Observer Program.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 7: Gulf of Alaska groundfish discards by species, gear, and target fishery, 2011 - 2012 (1,000 metric tons, round weight)

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Flat Shallow	Atka Mackerel	All Species
Hook & Line	Sablefish	0	0.3	0.1	0.2	0	0	-	1.2
	Pacific Cod	0	0	0.1	0.1	0	0	0	1.2
	Rockfish	-	*	0	-	-	-	-	0
	All Targets	0	0.4	1	0.3	0	0	0	3.9
Pot	Pacific Cod	0	0	0.2	0	*	0	0	0.9
	All Targets	0	0	0.2	0	*	0	0	0.9
	2011								
Trawl	Pollock, Bottom	0.2	0	0	0.5	0	0	0	0.9
	Pollock, Pelagic	0.5	0	0	0	0	0	0	0.6
	Sablefish	0	0	0	0	0	0	-	0.1
	Pacific Cod	0	0	0	0.3	0	0.1	0	0.6
	Arrowtooth	0.9	0.2	0.1	2.5	0	0	0	4.8
	Flathead Sole	0	0	0	0.7	0	0	0	0.8
	Rex Sole	0	0	0	1.5	0	0	*	1.9
	Flatfish, Shallow	0.1	0	0.4	1.1	0	0	*	1.8
	Rockfish	0.2	0	0	0.2	0	0	0.5	1.9
	All Targets	1.9	0.2	0.6	6.8	0.1	0.2	0.5	13.2

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Table 7: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Flat Shallow	Atka Mackerel	All Species
2012	Sablefish	0	0.3	0	0.3	0	0	-	1.6
	Pacific Cod	0	0	0.2	0.1	0	0	*	1.2
	Rockfish	-	-	0	-	-	-	-	0
	All Targets	0	0.3	0.3	0.3	0	0	*	2.9
Pot	Pacific Cod	0	0	0.1	0	*	0	0	0.4
	All Targets	0	0	0.1	0	*	0	0	0.4
Trawl	Pollock, Bottom	0.1	0	0	0.1	0	0	*	0.2
	Pollock, Pelagic	0.4	0	0	0	0	0	0	0.7
	Sablefish	0	0	*	0	*	0	-	0.1
	Pacific Cod	0.7	0	0	0.3	0	0.1	0	1.4
	Arrowtooth	0.3	0.1	0.2	2.3	0.1	0	0	3.7
	Flathead Sole	0.1	0	0	0.7	0	0	-	0.8
	Rex Sole	0.1	0	0	0.6	0	0	*	1
	Flatfish, Shallow	0.4	0	0.5	0.9	0	0.1	*	2.1
	Rockfish	0	0	0	0.1	0	0	0.5	1.7
	All Targets	1.9	0.1	0.7	5	0.2	0.2	0.5	11.6
	All Gear All Targets	2	0.4	1	5.3	0.2	0.2	0.5	14.9

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are as follows: 1) they are wholly or partially derived from observer estimates; 2) discards occur at many different places on vessels; 3) observers record only a rough approximation of what they see; and 4) the sampling methods used by at-sea observers provide NMFS the basis to make good estimates of total catch by species, not the disposition of that catch.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 8: Bering Sea and Aleutian Islands groundfish discards by species, gear, and target fishery, 2011 - 2012 (1,000 metric tons, round weight)

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellow Fin	Flat Other	Rockfish	Atka Mackerel	All Species
Hook & Line	Sablefish	0	0	0	0	0	*	-	0	*	*	0	-	0.2
	Pacific Cod	0.8	0	1.9	1.1	0	0.3	0	0	0.7	0	0.1	0	19.3
	Arrowtooth	-	*	-	*	-	-	-	*	-	-	*	-	*
	Turbot	0	0	0	0.1	*	0	-	0	*	*	0	*	0.5
	Rockfish	-	-	-	-	-	-	-	-	-	-	*	-	*
	All Targets	0.8	0	1.9	1.2	0	0.3	0	0	0.7	0	0.1	0	20
Pot	Sablefish	*	0	0	0	0	-	-	0	-	0	0	-	0.1
	Pacific Cod	0	0	0	0	-	0	0	0	0	0	0	0	0.7
	All Targets	0	0	0	0	0	0	0	0	0	0	0	0	0.8
	Pollock, Bottom	0	0	0	0.1	0	0.1	0.3	0	0	0	0.1	0.1	1.1
2011 Trawl	Pollock, Pelagic	0.5	0	0	0.2	0	1.1	2.2	0	0.3	0	0.2	0	5.5
	Pacific Cod	2	*	0.1	0.2	0	0.2	0.8	0	0	0.2	0	0.1	4.2
	Arrowtooth	0.3	0	0	0.4	0.1	0	0	0	0	0	0.1	0.1	1.3
	Kamchatka Flounder	0	0	0	0	0	0	0	0	0	0	0	0	0.3
	Flathead Sole	0.2	-	0	0.1	0	0	0	0	0	0	0	*	0.6
	Rock Sole	0.5	-	0.1	0.3	0	0	0.7	0	0.3	1.2	0	0	4.5
	Turbot	*	*	-	0	0	*	*	0	-	*	0	-	0
	Yellowfin	0.5	*	0.3	1	0	0.1	0.4	0	3.4	7.6	0	0	16.6
	Other Flatfish	0	-	0	0	*	0	0	*	0	0.1	*	-	0.2
	Rockfish	0	0	0	0.2	0.1	0	0	0	0	0	0.3	0.3	1.2
	Atka Mackerel	0	0	0	0	0	0	0	0	-	0	0.4	1.2	2.1
	All Targets	4	0	0.5	2.7	0.3	1.5	4.5	0	4.1	9.2	1	1.7	37.6

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Table 8: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellow Fin	Flat Other	Rockfish	Atka Mackerel	All Species
Hook & Line	Sablefish	*	0	0	0	0	-	-	0	-	0	0	*	0.1
	Pacific Cod	0.5	0	1.8	1	0.1	0.3	0	0	1	0	0.1	0	19.5
	Kamchatka Flounder	-	*	-	*	*	*	-	*	-	-	*	-	*
	Turbot	0	0	0	0.2	0.1	0	-	0	-	0	0	-	0.7
	Rockfish	-	*	*	*	*	*	-	*	-	*	*	-	*
	All Targets	0.5	0	1.8	1.2	0.3	0.3	0	0	1	0.1	0.1	0	20.4
2012 Pot	Sablefish	*	*	*	*	*	*	-	*	-	*	*	-	*
	Pacific Cod	0	-	0	0	0	0	0	-	0	0	0	0	0.3
	All Targets	0	*	0	0	0	0	0	*	0	0	0	0	0.3
Trawl	Pollock, Bottom	0.2	0	0	0	0	0.2	0.5	0	0.1	0	0.1	0	1.6
	Pollock, Pelagic	1.7	*	0	0.1	0	0.8	1.7	0	0.4	0.1	0.1	0	6
	Pacific Cod	1.7	*	0.3	0.2	0	0.1	0.9	0	0	0.1	0.1	0	4.1
	Arrowtooth	0.2	0	0	0.8	0.2	0	0	0	0	0	0.1	0	1.7
	Kamchatka Flounder	0	0	0	0	0.1	*	0	0	0	0	0	0	0.3
	Flathead Sole	0.1	*	0	0.1	0	0	0	0	0	0	0	-	0.3
	Rock Sole	0.3	-	0.2	0.1	0	0.1	1.4	0	0.4	1.9	0	*	5.9
	Yellowfin	0.9	-	0.4	0.5	0.1	0.1	0.5	0	3.1	3.8	0	-	12.8
	Other	0	*	0	0	0	0	0	0	0	0	0.1	*	0.1
	Flatfish	0	0	0	0.1	0	0	0	0	0	0	0.3	0.3	1
	Rockfish	0	0	0	0.1	0	0	0	0	0	0	0.6	0.9	2.2
	Atka Mackerel	0	0	0	0.1	0	0	0	0	0	0	0.6	0.9	1.3
	All Targets	5.1	0	1.1	1.9	0.4	1.4	5.1	0	4	6	1.4	1.3	36.1
All Gear	All Targets	5.6	0	2.9	3.1	0.7	1.8	5.1	0.1	5.1	6	1.5	1.3	56.8

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are discussed in the Notes for Table 7.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 9: Gulf of Alaska groundfish discard rates by species, gear, and target fishery, 2011 - 2012 (percent)

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	All Species
Hook & Line	Sablefish	79	3	73	90	100	-	100	100	28	-	12
	Pacific Cod	16	87	1	93	98	*	100	97	40	99	7
	Rockfish	-	*	0	-	-	-	-	-	0	-	0
	All Targets	17	4	6	91	98	*	100	98	25	99	12
Pot	Pacific Cod	47	100	1	99	*	-	-	94	99	99	3
	All Targets	47	100	1	99	*	-	-	94	99	99	3
	Pollock, Bottom	1	1	0	32	2	5	9	6	1	0	4
2011 Trawl	Pollock, Pelagic	1	2	0	6	2	4	0	45	63	0	1
	Sablefish	81	0	1	97	48	49	86	42	17	-	27
	Pacific Cod	5	0	0	49	10	21	65	13	14	99	4
	Arrowtooth	42	43	7	11	3	2	41	2	49	2	14
	Flathead Sole	42	1	11	85	4	4	89	3	29	1	48
	Rex Sole	17	9	13	81	6	2	93	7	66	*	47
	Flatfish, Shallow	29	0	53	75	1	3	84	0	56	*	35
	Rockfish	20	4	2	70	34	31	81	50	4	35	8
	All Targets	2	16	4	22	3	3	60	5	7	35	8

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Table 9: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	All Species
Hook & Line	Sablefish	99	3	46	89	100	-	99	100	41	-	13
	Pacific Cod	15	2	2	93	100	-	*	97	27	*	7
	Rockfish	-	-	0	-	-	-	-	0	-	0	
	All Targets	16	3	2	90	100	-	99	98	32	*	9
Pot	Pacific Cod	58	100	0	98	*	-	100	98	100	85	2
	All Targets	58	100	0	98	*	-	100	98	100	85	2
	Pollock, Bottom	0	13	0	11	1	4	2	0	29	*	1
Trawl	Pollock, Pelagic	0	1	1	2	4	2	*	0	80	98	1
	Sablefish	57	0	*	97	*	81	96	100	16	-	27
	Pacific Cod	45	1	0	36	21	20	3	15	37	95	7
	Arrowtooth	26	33	17	16	10	4	62	8	30	38	18
	Flathead Sole	47	0	19	83	2	0	83	0	23	-	41
	Rex Sole	46	15	5	62	2	0	100	2	47	*	33
	Flatfish, Shallow	53	0	45	67	3	6	0	3	4	*	33
	Rockfish	3	1	2	16	17	13	52	11	4	42	6
	All Targets	2	8	3	25	7	4	74	6	6	42	6
	All Gear All Targets	2	3	2	26	8	4	75	6	8	42	6

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are as follows: 1) they are wholly or partially derived from observer estimates; 2) discards occur at many different places on vessels; 3) observers record only a rough approximation of what they see; and 4) the sampling methods used by at-sea observers provide the basis for NMFS to make good estimates of total catch by species, not the disposition of that catch.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 10: Bering Sea and Aleutian Islands groundfish discard rates by species, gear, and target fishery, 2011 - 2012 (percent)

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rockfish	Atka Mackerel	All Species
Hook & Line	Sablefish	79	3	73	90	100	28	-	12
	Pacific Cod	16	87	1	93	98	40	99	7
	Rockfish	-	*	0	-	-	0	-	0
	All Targets	17	4	6	91	98	25	99	12
2011	Pot	Pacific Cod	47	100	1	99	*	99	99
	All Targets	47	100	1	99	*	99	99	3
	Trawl	Pollock, Bottom	1	1	0	32	2	1	0
36	Pollock, Pelagic	1	2	0	6	2	63	0	1
	Sablefish	81	0	1	97	48	17	-	27
	Pacific Cod	5	0	0	49	10	14	99	4
	Arrowtooth	42	43	7	11	3	49	2	14
	Flathead Sole	42	1	11	85	4	29	1	48
	Rockfish	20	4	2	70	34	4	35	8
	Atka Mackerel	*	*	*	*	*	*	*	*
	All Targets	2	16	4	22	3	7	35	8

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Table 10: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rockfish	Atka Mackerel	All Species
Hook & Line	Sablefish	99	3	46	89	100	41	-	13
	Pacific Cod	15	2	2	93	100	27	*	7
	Rockfish	-	-	0	-	-	0	-	0
	All Targets	16	3	2	90	100	32	*	9
2012 Pot	Pacific Cod	58	100	0	98	*	100	85	2
	All Targets	58	100	0	98	*	100	85	2
	Pollock, Bottom	0	13	0	11	1	29	*	1
Trawl	Pollock, Pelagic	0	1	1	2	4	80	98	1
	Sablefish	57	0	*	97	*	16	-	27
	Pacific Cod	45	1	0	36	21	37	95	7
	Arrowtooth	26	33	17	16	10	30	38	18
	Flathead Sole	47	0	19	83	2	23	-	41
	Rockfish	3	1	2	16	17	4	42	6
	All Targets	2	8	3	25	7	6	42	6
	All Gear All Targets	2	3	2	26	8	8	42	6

**Notes:** Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. Although these are the best available estimates of discards and are used for several management purposes, these estimates are not necessarily accurate. The reasons for this are discussed in the Notes for Table 9.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 11: Prohibited species catch by species, area and gear, 2008 - 2012 (metric tons (t) or number in 1,000s)

	Year	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & Line	2008	-	-	-	0	0	0	2	0
	2009	-	-	-	0	-	0	1	0
	2010	-	-	-	0	-	-	2	0
	2011	-	-	-	0	-	0	6	-
	2012	-	-	-	0	-	0	3	0
Gulf of Alaska	2008	21	-	-	-	-	-	107	0
	2009	5	-	-	-	-	-	17	-
	Pot	24	-	-	-	-	-	142	-
	2011	39	-	-	-	-	-	12	-
	2012	34	-	-	-	-	-	93	-
Trawl	2008	1953	1	16	2	-	0	134	2
	2009	1831	9	8	2	-	3	229	1
	2010	1640	2	55	2	-	3	92	*
	2011	1856	11	22	3	-	0	102	-
	2012	1713	1	23	1	-	0	87	-
All Gear	2008	1974	1	16	2	0	0	243	2
	2009	1836	9	8	2	-	3	247	1
	2010	1664	2	55	2	-	3	236	0
	2011	1895	11	22	3	-	0	120	-
	2012	1747	1	23	1	-	0	183	0
Hook & Line	2008	718	0	0	0	8	10	33	97
	2009	723	*	0	0	7	15	34	67
	2010	627	-	0	0	2	2	26	61
	2011	551	*	0	0	4	2	20	58
	2012	612	*	0	0	4	2	16	30
Bering Sea & Aleutian Islands	2008	7	-	-	-	41	189	1493	671
	2009	1	-	-	-	2	168	400	551
	Pot	5	-	-	-	2	72	379	288
	2011	6	-	-	-	17	196	286	132
	2012	6	-	-	-	7	16	98	16
Trawl	2008	2837	215	24	17	90	31	678	795
	2009	2885	88	14	48	76	18	481	527
	2010	2822	356	12	15	60	13	508	1721
	2011	2619	397	27	195	46	53	902	763
	2012	3118	2376	13	24	34	26	428	625
All Gear	2008	3562	215	24	17	140	230	2203	1563
	2009	3609	88	14	48	85	200	916	1145
	2010	3454	356	12	15	64	88	913	2070
	2011	3176	397	27	195	67	251	1208	953
	2012	3736	2376	13	24	45	43	542	671
All Alaska	2008	5536	216	40	20	140	230	2446	1565
	2009	5445	97	23	50	85	204	1163	1146
	All Gear	5118	358	67	17	64	91	1149	2070
	2010	5071	408	48	198	67	251	1328	953
	2012	5483	2377	35	26	45	43	725	671

**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The estimates of halibut bycatch mortality are based on the IPHC discard mortality rates that were used for in-season management. The halibut IFQ program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut bycatch numbers unavailable. This is particularly a problem in the GOA for all hook-and-line fisheries and in the BSAI for the sablefish hook-and-line fishery. Therefore, estimates of halibut bycatch mortality are not included in this table for those fisheries.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 12: Prohibited species catch in the Gulf of Alaska by species, gear, and groundfish target fishery, 2011 - 2012 (Metric tons (t) or number in 1,000s)

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & Line	Sablefish	-	-	-	0.3	0.1	-	-
	Pacific	-	-	-	-	-	5.5	-
	Cod	-	-	-	-	-	-	-
	All Targets	-	-	-	0.3	0.1	5.5	-
Pot	Pacific Cod	38.5	-	-	-	-	12.3	-
2011	Pollock, Bottom	103.9	-	4.3	0.4	-	10	-
	Pollock, Pelagic	11.8	10.7	10.5	0.8	-	-	-
	Sablefish	4	-	-	-	0.1	-	-
	Pacific Cod	455.4	-	1.4	-	*	0.2	-
	Arrowtooth	793	-	3	0.4	0	75.3	-
	Flathead Sole	59.7	-	0	-	-	5.2	-
	Rex Sole	109.8	-	1.4	0.2	-	6.1	-
	Flatfish, Shallow	245.8	-	*	0.6	-	5.1	-
	Rockfish	72.5	-	1	0.2	*	*	-
	Atka Mackerel	*	-	*	-	-	-	-
	All Targets	1855.9	10.7	21.6	2.6	0.1	101.9	-

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Table 12: Continued

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & Line	Sablefish	-	-	-	0.2	0	-	-
	Pacific Cod	-	-	-	-	-	3.1	0.1
	All Targets	-	-	-	0.2	0	3.1	0.1
Pot	Pacific Cod	34.2	-	-	-	-	93.1	-
2012	Pollock, Bottom	50.5	0.1	6.7	0.1	-	0.4	-
	Pollock, Pelagic	6.9	1.2	12.1	0.2	-	0.4	-
	Sablefish	3	-	-	-	*	-	-
	Pacific Cod	527.5	*	0.5	0	-	5.6	-
	Arrowtooth	591.1	*	0.3	0.1	-	73.3	-
	Flathead Sole	123.2	-	*	-	-	*	-
	Rex Sole	78.1	-	1	*	-	-	-
	Flatfish, Shallow	259.5	-	0.2	0.2	-	3.8	-
	Rockfish	73.3	-	1.6	0.3	0.1	0.1	-
	Other Ground-fish	*	-	-	-	-	-	-
All Targets		1713	1.3	22.5	0.9	0.1	83.5	-
All Gear All Targets		1747.2	1.3	22.5	1.2	0.1	179.6	0.1

**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. Therefore, estimates of halibut PSC mortality are not included in this table for those fisheries.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 13: Prohibited species catch in the Bering Sea and Aleutian Islands by species, gear, and groundfish target fishery, 2011 - 2012 (Metric tons (t) or number in 1,000s)

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & Line	Pollock, Bottom Sablefish	*	-	-	-	-	-	-	-
	Pacific Cod	546.7	*	0	0.1	4.4	1.2	19.9	57.7
	Arrowtooth	-	-	-	-	-	*	-	-
	Turbot	4.4	-	-	0.1	-	0.1	-	0
	Other Ground- fish	*	-	-	-	-	-	-	-
	All Targets	551.1	*	0	0.2	4.5	1.8	19.9	57.8
2011 Pot	Sablefish	1.4	-	-	-	0.4	195.2	0.9	0.3
	Pacific Cod	5.1	-	-	-	16.5	1	285.5	131.9
	All Targets	6.4	-	-	-	16.9	196.2	286.4	132.3
Trawl	Pollock, Bottom Pollock, Pelagic Pacific Cod	146.6	31.6	1.4	9	0.6	-	7.5	2
	Arrowtooth	235	345.6	24.1	184.5	*	*	2.9	4.3
	Kamchatka Flounder	260.1	*	0.4	0.1	2.3	0.1	14.7	9.9
	Flathead Sole	180.8	0.2	-	*	*	2.9	2.9	2
	Rock Sole	92.7	-	-	-	-	10.5	*	*
	Yellowfin	69.1	*	-	*	1.9	-	33.6	53.8
	Other Flatfish	504.6	0.2	*	*	29.4	*	73.5	13.5
	Turbot	1	-	-	-	-	-	-	-
	Atka Mackerel	906.3	19	-	0.4	9.7	*	763.5	675.3
	Other Rockfish	8.4	-	-	-	*	-	2.3	1.6
	Atka Mackerel	97.4	-	*	-	*	5.3	0.4	*
	Other Ground- fish	115.1	-	0.3	0.2	1.8	33.5	*	-
	All Targets	2617.2	396.7	26.2	194.3	45.5	52.2	901.1	762.5

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Table 13: Continued

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & Line	Sablefish	-	-	-	-	0	0.5	-	-
	Pacific Cod	606.5	*	0	0.1	3.9	1.4	15.6	29.6
	Kamchatka	*	-	*	-	-	-	-	-
	Flounder								
	Turbot	5.5	-	-	0.1	-	0	0	0
	Rockfish	*	-	-	-	-	-	-	*
Pot 2012	All Targets	612	*	0	0.3	4	1.9	15.6	29.7
	Sablefish	*	-	-	-	-	*	-	*
	Pacific Cod	4.7	-	-	-	6.9	-	98.2	16
	All Targets	5.7	-	-	-	6.9	15.7	98.2	16
Trawl	Pollock, Bottom	105.4	186	1.5	2.3	0.3	-	4.4	3.3
	Pollock, Pelagic	280.4	2166.5	9.9	20.1	*	-	1	2.8
	Pacific Cod	479.1	5.9	0.9	0	0.3	0.2	10	6.6
	Arrowtooth	425.3	0.1	*	*	*	5.1	1.8	3
	Kamchatka	97.2	-	-	-	*	6.2	*	-
	Flounder								
	Flathead Sole	85.4	0.6	*	*	0.5	*	26.1	25.9
	Rock Sole	429.8	0.2	*	-	22.6	*	73.6	12.5
	Yellowfin	950.4	16.3	*	0.3	8.1	0.3	309.9	568.6
	Other Flatfish	10.9	*	-	-	*	*	1	2.2
	Rockfish	76.5	-	0.3	*	*	7.3	*	-
	Atka Mackerel	177.9	0	*	1.2	1.8	6.4	-	*
All Gear	All Targets	3118.3	2375.6	12.5	23.9	33.6	25.5	427.8	624.9
	All Targets	3735.9	2375.6	12.6	24.2	44.4	43.1	541.6	670.6

**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. This is particularly a problem in the Bering Sea and Aleutian Islands sablefish hook-and-line fishery. Therefore, estimates of halibut PSC mortality are not included in this table for that fishery.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 14: Prohibited species catch rates in the Gulf of Alaska by species, gear, and groundfish target fishery, 2011 - 2012 (Metric tons per metric ton or numbers per metric ton)

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & Line	Sablefish	-	-	-	0.028	0.013	-	-
	Pacific Cod	-	-	-	-	-	0.31	-
	All Targets	-	-	-	0.009	0.004	0.176	-
Pot	Pacific Cod	0.001	-	-	-	-	0.405	-
2011	Pollock, Bottom	0.005	-	0.206	0.019	-	0.484	-
	Pollock, Pelagic	0	0	0.176	0.014	-	-	-
	Sablefish	0.013	-	-	-	0.428	-	-
	Pacific Cod	0.033	-	0.097	-	*	0.015	-
	Arrowtooth	0.023	-	0.088	0.011	0	2.199	-
	Flathead Sole	0.035	-	0.021	-	-	3.068	-
	Rex Sole	0.028	-	0.344	0.051	-	1.549	-
	Flatfish, Shallow	0.047	-	*	0.115	-	0.978	-
	Rockfish	0.003	-	0.043	0.009	*	*	-
	Atka Mackerel	*	-	*	-	-	-	-
	All Targets	0.011	0	0.131	0.016	0.001	0.621	-

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Table 14: Continued

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & Line	Sablefish	-	-	-	0.02	0.002	-	-
	Pacific Cod	-	-	-	-	-	0.182	0.006
	All Targets	-	-	-	0.008	0.001	0.1	0.003
Pot	Pacific Cod	0.002	-	-	-	-	4.256	-
2012	Pollock, Bottom	0.003	0	0.427	0.003	-	0.023	-
	Pollock, Pelagic	0	0	0.143	0.003	-	0.004	-
	Sablefish	0.01	-	-	-	*	-	-
	Pacific Cod	0.026	*	0.026	0.001	-	0.275	-
	Arrowtooth	0.028	*	0.015	0.005	-	3.457	-
	Flathead Sole	0.06	-	*	-	-	*	-
	Rex Sole	0.026	-	0.332	*	-	-	-
	Flatfish, Shallow	0.041	-	0.038	0.033	-	0.602	-
	Rockfish	0.003	-	0.058	0.011	0.004	0.003	-
	Other Ground- fish	*	-	-	-	-	-	-
	All Targets	0.009	0	0.124	0.005	0.001	0.46	-
All Gear	All Targets	0.007	0	0.096	0.005	0.001	0.767	0

**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. Therefore, estimates of halibut PSC mortality are not included in this table for those fisheries.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 15: Prohibited species catch rates in the Bering Sea and Aleutian Islands by species, gear, and groundfish target fishery, 2011 - 2012 (Metric tons per metric ton or numbers per metric ton)

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & Line	Pollock, Bottom	*	-	-	-	-	-	-	-
	Sablefish	-	-	-	-	0.014	0.396	-	0.012
	Pacific Cod	0.004	*	0	0.001	0.031	0.008	0.138	0.4
	Arrowtooth	-	-	-	-	-	*	-	-
	Turbot	0.002	-	-	0.029	-	0.039	-	0.005
	Other Ground- fish	*	-	-	-	-	-	-	-
	All Targets	0.004	*	0	0.001	0.03	0.012	0.134	0.389
2011 Pot	Sablefish	0.002	-	-	-	0.671	319.363	1.536	0.549
	Pacific Cod	0	-	-	-	0.576	0.034	9.95	4.599
	All Targets	0	-	-	-	0.578	6.697	9.775	4.515
Trawl	Pollock, Bottom	0.001	0	0.011	0.072	0.005	-	0.06	0.016
	Pollock, Pelagic	0	0	0.022	0.171	*	*	0.003	0.004
	Pacific Cod	0.006	*	0.01	0.003	0.051	0.002	0.33	0.222
	Arrowtooth	0.01	0	-	*	*	0.164	0.164	0.116
	Kamchatka Flounder	0.009	-	-	-	-	1.065	*	*
	Flathead Sole	0.009	*	-	*	0.242	-	4.308	6.911
	Rock Sole	0.007	0	*	*	0.41	*	1.026	0.188
	Turbot	0.118	-	-	-	-	-	-	-
	Yellowfin	0.005	0	-	0.002	0.048	*	3.794	3.356
	Other Flatfish	0.004	-	-	-	*	-	1.043	0.71
	Rockfish	0.004	-	*	-	*	0.22	0.018	*
	Atka Mackerel	0.002	-	0.005	0.003	0.031	0.576	*	-
	Other Ground- fish	*	-	-	-	-	-	-	-
	All Targets	0.002	0	0.016	0.118	0.028	0.032	0.549	0.465

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Table 15: Continued

	Target	Halibut (t)	Herring (t)	Chinook (1,000s)	Other salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other tanner (1,000s)
Hook & Line	Sablefish	-	-	-	-	0.005	0.346	-	-
	Pacific Cod	0.004	*	0	0.001	0.025	0.009	0.098	0.186
	Kamchatka	*	-	*	-	-	-	-	-
	Flounder								
	Turbot	0.002	-	-	0.04	-	0.008	0.005	0.013
	Rockfish	*	-	-	-	-	-	-	*
Pot 2012	All Targets	0.004	*	0	0.002	0.024	0.011	0.095	0.181
	Sablefish	*	-	-	-	-	*	-	*
	Pacific Cod	0	-	-	-	0.237	-	3.389	0.551
	All Targets	0	-	-	-	0.232	0.533	3.327	0.541
Trawl	Pollock, Bottom	0.001	0.002	0.012	0.019	0.003	-	0.037	0.028
	Pollock, Pelagic	0	0.002	0.009	0.019	*	-	0.001	0.003
	Pacific Cod	0.009	0	0.017	0	0.007	0.004	0.195	0.128
	Arrowtooth	0.02	0	*	*	*	0.239	0.086	0.142
	Kamchatka	0.01	-	-	-	*	0.616	*	-
	Flounder								
	Flathead Sole	0.014	0	*	*	0.072	*	4.19	4.159
	Rock Sole	0.005	0	*	-	0.253	*	0.821	0.14
	Yellowfin	0.005	0	*	0.002	0.041	0.001	1.587	2.911
	Other Flatfish	0.005	*	-	-	*	*	0.451	0.982
	Rockfish	0.003	-	0.012	*	*	0.313	*	-
	Atka Mackerel	0.003	0	*	0.021	0.032	0.115	-	*
All Gear	All Targets	0.002	0.001	0.008	0.014	0.02	0.015	0.258	0.376
	All Targets	0.002	0.001	0.007	0.013	0.024	0.023	0.292	0.362

**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. The target, determined by AKR staff, is based on processor, trip, processing mode, NMFS area and gear. The estimates of halibut PSC mortality are based on the International Pacific Halibut Commission discard mortality rates that were used for in-season management. The halibut Individual Fishing Quota program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut PSC numbers unavailable. This is particularly a problem in the Bering Sea and Aleutian Islands sablefish hook-and-line fishery. Therefore, estimates of halibut PSC mortality are not included in this table for that fishery.

**Source:** NMFS Alaska Region Catch-accounting system estimates (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

## 4.2. Ex-vessel Value and Price Data Tables

### 4.2.1 *Ex-vessel data tables based on COAR*

Table 16A: Real ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 1984 - 2012 (\$ millions, base year = 2012 )

Year	Shellfish	Salmon	Herring	Halibut	Groundfish	Total
1984	263.8	875	52	50	71.2	1312
1985	268.2	977.4	92.6	94.1	108.9	1541.1
1986	421.2	930.2	88.4	161.4	153.3	1754.5
1987	441.9	971.3	85.6	156.7	281.5	1937.1
1988	455.5	1440.2	108.3	127.8	468.3	2600.1
1989	561.7	1019.4	37.6	169.8	680.6	2469.2
1990	693.6	1067.8	46.9	169.7	877.9	2855.9
1991	579	577.1	55	176.2	898.1	2285.4
1992	617.2	1002.8	49.7	88.4	1243	3001.2
1993	603.5	718.5	25.9	98.5	810.7	2257
1994	572.1	756	38.5	150.9	869.8	2387.3
1995	476.2	834.7	65.8	100.2	1008.9	2485.8
1996	303.6	600.5	77.6	128.6	897.7	2008
1997	277.8	400	25.7	171.9	842.3	1717.7
1998	343.2	380.9	16.9	147.7	586.9	1475.6
1999	408.4	520.6	21.4	176.1	721.2	1847.7
2000	207	357.9	13.9	195.6	868.9	1643.3
2001	186.1	284	15.7	179.8	863.7	1529.3
2002	223.7	195.3	13.7	193.8	924.6	1551.2
2003	258.2	247.5	13.1	244.2	974.5	1737.5
2004	230.9	355.4	19.5	235.1	904.3	1745.2
2005	217.5	405.3	19	219.7	976.9	1838.4
2006	171	380.1	12	233.6	1017.9	1814.6
2007	223.2	457.8	18.2	257.4	972.4	1929
2008	292.2	466.9	28.9	235.8	1104.2	2128.1
2009	221.5	444.7	27.4	154.2	789.5	1637.3
2010	243.7	550.3	23.3	211.6	702.9	1731.9
2011	297.6	611.5	10.8	205.1	992.5	2117.5
2012	284.2	441.3	19.4	144.8	1054.6	1944.3

**Notes:** These estimates include the value of catch from both federal and state of Alaska fisheries. The data have been adjusted to 2012 dollars by applying the Producer Price Index for unprocessed and packaged fish (series number WPU0223) from the Bureau of Labor Statistics at: <http://data.bls.gov/cgi-bin/srgate>.

**Source:** NMFS Alaska Region Blend and Catch-Accounting System estimates, Weekly Production Reports (WPR), Commercial Operators Annual Reports (COAR), Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 17A: Percentage distribution of ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 1984 - 2012

Year	Shellfish	Salmon	Herring	Halibut	Groundfish
1984	20.1 %	66.7 %	4 %	3.8 %	5.4 %
1985	17.4 %	63.4 %	6 %	6.1 %	7.1 %
1986	24 %	53 %	5 %	9.2 %	8.7 %
1987	22.8 %	50.1 %	4.4 %	8.1 %	14.5 %
1988	17.5 %	55.4 %	4.2 %	4.9 %	18 %
1989	22.7 %	41.3 %	1.5 %	6.9 %	27.6 %
1990	24.3 %	37.4 %	1.6 %	5.9 %	30.7 %
1991	25.3 %	25.3 %	2.4 %	7.7 %	39.3 %
1992	20.6 %	33.4 %	1.7 %	2.9 %	41.4 %
1993	26.7 %	31.8 %	1.1 %	4.4 %	35.9 %
1994	24 %	31.7 %	1.6 %	6.3 %	36.4 %
1995	19.2 %	33.6 %	2.6 %	4 %	40.6 %
1996	15.1 %	29.9 %	3.9 %	6.4 %	44.7 %
1997	16.2 %	23.3 %	1.5 %	10 %	49 %
1998	23.3 %	25.8 %	1.1 %	10 %	39.8 %
1999	22.1 %	28.2 %	1.2 %	9.5 %	39 %
2000	12.6 %	21.8 %	0.8 %	11.9 %	52.9 %
2001	12.2 %	18.6 %	1 %	11.8 %	56.5 %
2002	14.4 %	12.6 %	0.9 %	12.5 %	59.6 %
2003	14.9 %	14.2 %	0.8 %	14.1 %	56.1 %
2004	13.2 %	20.4 %	1.1 %	13.5 %	51.8 %
2005	11.8 %	22 %	1 %	12 %	53.1 %
2006	9.4 %	20.9 %	0.7 %	12.9 %	56.1 %
2007	11.6 %	23.7 %	0.9 %	13.3 %	50.4 %
2008	13.7 %	21.9 %	1.4 %	11.1 %	51.9 %
2009	13.5 %	27.2 %	1.7 %	9.4 %	48.2 %
2010	14.1 %	31.8 %	1.3 %	12.2 %	40.6 %
2011	14.1 %	28.9 %	0.5 %	9.7 %	46.9 %
2012	14.6 %	22.7 %	1 %	7.4 %	54.2 %

**Notes:** These estimates report the distribution of the value of catch from both federal and state of Alaska fisheries.

**Source:** NMFS Alaska Region Blend and Catch-Accounting System estimates, Weekly Production Reports (WPR), Commercial Operators Annual Reports (COAR), Fisheries of the United States. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 18A: Ex-vessel prices in the groundfish fisheries off Alaska by area, gear, and species, 2008 - 2012 (\$/lb, round weight)

	Year	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska All Gear
		Fixed	Trawl	Fixed	Trawl	
Pollock	2008	0.111	0.181	0.015	0.208	0.206
	2009	0.11	0.174	0.097	0.19	0.188
	2010	0.133	0.173	0.145	0.145	0.147
	2011	0.128	0.161	0.178	0.164	0.163
	2012	0.144	0.171	0.108	0.173	0.173
Sablefish	2008	3.276	2.02	2.934	1.162	3.123
	2009	3.452	3.338	2.573	1.281	3.286
	2010	4.077	3.267	4.257	1.604	4.021
	2011	5.463	3.986	5.105	1.79	5.28
	2012	4.421	3.231	3.522	1.014	4.179
Pacific Cod	2008	0.56	0.429	0.571	0.543	0.551
	2009	0.299	0.265	0.273	0.232	0.267
	2010	0.269	0.231	0.299	0.224	0.269
	2011	0.339	0.309	0.33	0.27	0.317
	2012	0.361	0.326	0.327	0.314	0.329
Flatfish	2008	0.279	0.142	0.045	0.171	0.166
	2009	0.171	0.133	0.023	0.144	0.142
	2010	0.793	0.107	0.015	0.149	0.143
	2011	0.512	0.11	0.174	0.183	0.175
	2012	0.223	0.137	0.204	0.204	0.198
Rockfish	2008	0.605	0.169	0.628	0.171	0.184
	2009	0.572	0.091	0.596	0.175	0.144
	2010	0.536	0.123	0.642	0.228	0.186
	2011	0.531	0.156	0.537	0.348	0.271
	2012	0.665	0.265	0.49	0.289	0.286
Atka Mackerel	2008	*	0.195	0.015	0.17	0.17
	2009	*	0.281	*	0.187	0.189
	2010	*	0.277	0.015	0.207	0.208
	2011	0.016	0.365	0.124	0.268	0.27
	2012	0.109	0.388	0.18	0.292	0.293

**Notes:** 1) Prices are for catch from both federal and state of Alaska fisheries.

2) Prices do not include the value added by at-sea processing except for the value added by dressing fish at sea where the fish have not been frozen. The unfrozen landings price is calculated as landed value divided by estimated or actual round weight.

3) Trawl-caught sablefish, rockfish and flatfish in the BSAI and trawl-caught Atka mackerel in both the BSAI and the GOA are not well represented by on-shore landings. A price was calculated for these categories from product-report prices; the price in this case is the value of the product divided by the calculated round weight and multiplied by a constant 0.4 to correct for value added by processing.

4) The “All Alaska/All gear” column is the weighted average of the other columns.

**Source:** NMFS Alaska Region Catch Accounting System, Commercial Operators Annual Report (COAR), weekly processor reports, (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 19A: Ex-vessel value of the groundfish catch off Alaska by area, vessel category, gear, and species, 2008 - 2012 (\$ millions)

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Sablefish	2008	70.8	8.9	79.7	1.9	3	4.9	72.7	11.8	84.6
	2009	64.9	7.2	72.1	3.2	3.5	6.6	68.1	10.7	78.7
	2010	73.4	5.9	79.3	5.8	5.3	11.1	79.2	11.1	90.4
	2011	107.8	9	116.9	7.3	4.7	11.9	115.1	13.7	128.8
	2012	98.1	6.8	105	5.5	3.7	9.1	103.6	10.5	114.1
Pacific Cod	2008	10.9	6	16.9	1.7	115.8	117.5	12.6	121.8	134.4
	2009	7.2	3.6	10.8	0.4	60.2	60.6	7.6	63.8	71.4
	2010	7.6	4.9	12.5	0.5	57.7	58.2	8.1	62.6	70.7
	2011	10	6.1	16.1	0.8	84.2	85	10.8	90.4	101.1
	2012	12.5	3.7	16.2	0.6	93.1	93.7	13.1	96.8	109.9
Hook & Line	2008	0	0	0	*	0.1	0.1	0	0.2	0.2
	2009	0	0	0	*	0.1	0.1	0	0.1	0.1
	Flatfish	2010	0	0.1	0.1	*	0.1	0.1	0	0.2
	2011	0	0	0	*	0.9	0.9	0	1	1
	2012	0	0	0	*	1.3	1.3	0	1.3	1.3
Rockfish	2008	1.3	0.2	1.5	0	0.2	0.2	1.3	0.4	1.7
	2009	1.1	0.1	1.2	0	0.3	0.3	1.2	0.4	1.6
	2010	1	0.1	1.1	0.1	0.5	0.6	1.1	0.6	1.7
	2011	0.9	0.1	1	0.1	0.2	0.2	1	0.3	1.2
	2012	1.4	0.2	1.6	0.1	0.2	0.3	1.4	0.4	1.8
All Species	2008	83.6	15.2	98.8	3.6	123	126.6	87.2	138.3	225.5
	2009	73.7	11	84.8	3.7	66.3	69.9	77.4	77.3	154.7
	2010	82.6	11.1	93.8	6.4	65.3	71.7	89	76.4	165.4
	2011	119.4	15.6	135	8.1	95.9	104	127.5	111.5	239
	2012	113	10.8	123.8	6.2	101.5	107.7	119.1	112.4	231.5

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Table 19A: Continued

		Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
			Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Pot	Pacific Cod	2008	29.5	*	29.5	19.9	5.9	25.8	49.5	5.9	55.4
		2009	14.3	*	14.3	6.5	2.9	9.4	20.8	2.9	23.6
		2010	20.6	-	20.6	11.2	3.4	14.6	31.7	3.4	35.1
		2011	34.1	*	34.1	18.1	2.4	20.5	52.2	2.4	54.6
		2012	29.5	*	29.5	18.7	3.9	22.6	48.2	3.9	52
51	Pollock	2008	19.3	0.2	19.5	238.5	210.9	449.4	257.8	211.1	468.9
		2009	15.4	0.5	15.9	180.8	154.5	335.3	196.2	155	351.2
		2010	28.4	0.4	28.8	135.1	122	257.1	163.5	122.4	285.9
		2011	27.7	0.4	28.1	227.1	202.3	429.4	254.9	202.6	457.5
		2012	38	0.4	38.4	241.4	216.2	457.5	279.4	216.6	495.9
Trawl	Sablefish	2008	1.9	1.6	3.5	0	0.7	0.7	1.9	2.3	4.2
		2009	3.3	2.6	5.9	0	0.5	0.5	3.3	3.1	6.4
		2010	3.3	2.9	6.1	0	0.4	0.4	3.3	3.2	6.5
		2011	4.6	3.5	8.1	0	0.3	0.3	4.6	3.8	8.4
		2012	2.9	2.7	5.7	*	0.5	0.5	2.9	3.3	6.2
	Pacific Cod	2008	15.4	1	16.4	34.2	31.4	65.6	49.6	32.4	82
		2009	5.6	0.8	6.4	12.5	16.8	29.2	18.1	17.6	35.7
		2010	9.3	0.6	9.9	12	17.1	29.1	21.3	17.7	38.9
		2011	9.9	0.8	10.7	18.3	25	43.3	28.2	25.8	54
		2012	13.1	0.9	14	29	31	60	42.1	31.9	74
	Flatfish	2008	8.3	2.7	11	1.7	87	88.7	9.9	89.7	99.6
		2009	6.7	1.9	8.7	2.4	60.7	63.1	9.1	62.6	71.7
		2010	4.7	1.7	6.4	1	73.1	74.1	5.8	74.7	80.5
		2011	5	3.1	8.1	1.6	102.8	104.4	6.6	105.9	112.5
		2012	4.2	2.9	7.1	1.7	118.3	119.9	5.9	121.2	127.1

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Table 19A: Continued

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Rockfish	2008	3.1	4.5	7.6	0.2	7	7.2	3.2	11.5	14.8
	2009	1.5	2.5	4	0.2	6.4	6.6	1.7	8.8	10.5
	2010	2.5	3.6	6.1	0.1	10.6	10.7	2.6	14.3	16.9
	2011	2.9	4	6.9	0.1	20.5	20.6	3.1	24.5	27.5
	2012	6.2	7.9	14.1	0.2	16.6	16.8	6.4	24.5	30.9
Trawl	2008	0	0.3	0.3	0	21.3	21.3	0	21.6	21.6
	2009	0	0.8	0.8	0	28.9	28.9	0	29.7	29.7
	Atka Mackerel	0	0.7	0.7	0	29.4	29.5	0	30.2	30.2
	2011	0	0.8	0.8	0.6	29	29.5	0.6	29.8	30.4
	2012	0	0.6	0.6	0.1	29.8	29.9	0.2	30.3	30.5
All Species	2008	49.1	10.6	59.7	274.6	358.5	633.2	323.8	369.1	692.9
	2009	33.6	9.4	42.9	196	267.8	463.8	229.5	277.2	506.7
	2010	49.3	10.1	59.4	148.3	252.8	401.1	197.6	262.8	460.5
	2011	51.8	12.9	64.7	247.8	380.1	627.9	299.6	393	692.6
	2012	66	15.8	81.7	272.5	412.6	685.1	338.5	428.4	766.9
Pollock	2008	19.3	0.2	19.5	238.5	211.1	449.5	257.8	211.3	469
	2009	15.4	0.5	15.9	180.8	155.3	336.2	196.2	155.9	352.1
	2010	28.4	0.4	28.8	135.1	123.1	258.2	163.5	123.5	287
	2011	27.8	0.4	28.1	227.1	204.1	431.2	254.9	204.5	459.3
	2012	38	0.4	38.5	241.4	217.2	458.6	279.4	217.6	497
All Gear	2008	72.7	10.5	83.2	7.7	3.6	11.3	80.4	14.1	94.5
	2009	68.2	9.8	78.1	6.8	3.9	10.7	75	13.7	88.7
	2010	76.7	8.7	85.4	5.8	5.6	11.4	82.5	14.3	96.9
	2011	112.4	12.5	124.9	13.2	5	18.2	125.6	17.5	143.1
	2012	101.1	9.5	110.6	5.5	4.2	9.7	106.6	13.7	120.3

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Table 19A: Continued

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Pacific Cod	2008	55.9	6.9	62.8	55.8	153.1	208.9	111.6	160.1	271.7
	2009	27	4.5	31.5	19.4	79.8	99.2	46.4	84.2	130.7
	2010	37.5	5.5	43	23.7	78.1	101.8	61.1	83.6	144.8
	2011	54	7	60.9	37.2	111.6	148.8	91.2	118.6	209.8
	2012	55.1	4.6	59.7	48.3	127.9	176.3	103.5	132.5	235.9
Flatfish	2008	8.3	2.7	11	1.7	87.1	88.8	9.9	89.9	99.8
	2009	6.7	1.9	8.7	2.4	60.8	63.2	9.1	62.7	71.9
	2010	4.7	1.7	6.5	1	73.2	74.2	5.8	74.9	80.7
	2011	5	3.1	8.1	1.6	103.7	105.3	6.6	106.8	113.4
	2012	4.2	2.9	7.1	1.7	119.5	121.2	5.9	122.5	128.4
All Gear	2008	4.4	4.7	9.1	0.2	7.2	7.4	4.6	11.9	16.5
	2009	2.6	2.6	5.2	0.2	6.6	6.9	2.9	9.2	12.1
	Rockfish	3.6	3.7	7.3	0.1	11.1	11.3	3.7	14.9	18.6
	2011	3.8	4.1	7.9	0.2	20.6	20.8	4.1	24.7	28.8
	2012	7.6	8.1	15.7	0.3	16.8	17.1	7.9	24.9	32.8
Atka Mackerel	2008	0	0.3	0.3	0	21.3	21.3	0	21.6	21.6
	2009	0	0.8	0.8	0	28.9	28.9	0	29.7	29.7
	2010	0	0.7	0.7	0	29.4	29.5	0	30.2	30.2
	2011	0	0.8	0.8	0.6	29	29.5	0.6	29.8	30.4
	2012	0	0.6	0.6	0.1	29.8	29.9	0.2	30.3	30.5
All Species	2008	162.5	25.8	188.3	304	487.5	791.5	466.6	513.3	979.8
	2009	121.7	20.4	142.2	209.7	337	546.7	331.5	357.4	688.9
	2010	152.7	21.2	173.9	165.9	321.5	487.3	318.6	342.7	661.2
	2011	205.5	28.5	234.1	280	478.4	758.4	485.5	506.9	992.5
	2012	208.7	26.6	235.3	297.4	518	815.4	506.1	544.6	1050.7

**Notes:** These estimates include the value of catch from both federal and state of Alaska fisheries. Ex-vessel value is calculated using prices on Table 18a. Please refer to Table 18a for a description of the price derivation. All groundfish includes additional species categories. The value added by at-sea processing is not included in these estimates of ex-vessel value.

**Source:** NMFS Alaska Region Catch Accounting System, Commercial Operators Annual Report (COAR), weekly processor reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 20A: Ex-vessel value of Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2003 - 2012 (\$ millions)

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Fixed	2003	62.5	20.2	0.5	6.2	11.3	2.4	68.6	31.5	2.9
	2004	61.5	23	0.1	3.7	8.2	1.8	65.3	31.2	2
	2005	55.1	25.3	0.3	3.9	11.5	1.9	59.1	36.7	2.2
	2006	59.9	31.4	0.2	6.3	14	3.8	66.1	45.4	4.1
	2007	66.7	29.9	0	5.3	16	2.5	72	45.8	2.5
	2008	78.9	34.2	0.3	9.1	16.7	3.6	88	50.9	3.9
	2009	62.3	25.9	*	4.9	7.3	1.6	67.2	33.2	1.6
	2010	73.1	30.2	*	7.6	11.5	3.2	80.7	41.6	3.2
	2011	109	44.8	*	12.2	15.8	4.1	121.3	60.6	4.1
	2012	101.7	41	*	14.4	10.8	3.6	116.1	51.7	3.6
Trawl	2003	3.2	22.8	-	2.8	84.4	91.8	6	107.2	91.8
	2004	4.4	23.7	-	*	80.4	87	4.4	104.1	87
	2005	8.1	28.9	-	*	89.5	106.7	8.1	118.4	106.7
	2006	7.7	33.4	-	*	95.3	114.3	7.7	128.7	114.3
	2007	8.7	34.2	-	*	93	100.4	8.7	127.2	100.4
	2008	10.8	38.1	*	*	109.1	122.2	10.8	147.3	122.2
	2009	6.5	27.1	-	*	74.4	86.4	6.5	101.5	86.4
	2010	10.3	39	-	*	58.7	66.1	10.3	97.8	66.1
	2011	8.2	43.6	-	*	100.8	106.7	8.2	144.4	106.7
	2012	15.4	50.6	-	*	111.3	119.8	15.4	161.9	119.8
All Gear	2003	65.7	43	0.5	8.9	95.7	94.2	74.6	138.7	94.6
	2004	65.9	46.7	0.1	3.7	88.6	88.8	69.7	135.3	89
	2005	63.2	54.1	0.3	3.9	101	108.6	67.1	155.1	108.9
	2006	67.5	64.8	0.2	6.3	109.3	118.1	73.8	174.1	118.3
	2007	75.4	64	0	5.3	108.9	102.9	80.7	173	103
	2008	89.6	72.4	0.3	9.1	125.8	125.8	98.7	198.2	126.1
	2009	68.7	53	*	4.9	81.7	88	73.6	134.7	88
	2010	83.4	69.2	*	7.6	70.2	69.3	91	139.4	69.3
	2011	117.2	88.4	*	12.2	116.5	110.8	129.4	204.9	110.8
	2012	117.1	91.6	*	14.4	122	123.4	131.5	213.6	123.4

**Notes:** These estimates include only catch counted against federal TACs.

**Source:** NMFS Alaska Region Catch-Accounting System and Weekly Processor reports; ADF&G COAR buying data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 21A: Ex-vessel value per catcher vessel for Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2003 - 2012 (\$ thousands)

Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska			
	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125	
Fixed	2003	66	169	96	92	140	160	72	199	169
	2004	63	177	31	69	110	102	66	194	103
	2005	61	212	60	60	179	128	64	243	148
	2006	65	253	57	103	222	350	71	307	371
	2007	68	274	9	74	275	209	72	330	211
	2008	74	335	74	117	274	359	81	395	353
	2009	63	273	*	72	155	200	66	284	178
	2010	73	321	*	112	239	358	79	365	323
	2011	101	487	*	170	282	514	111	518	457
	2012	94	500	*	228	234	404	106	488	363
Trawl	2003	95	380	-	162	1125	3529	158	1041	3529
	2004	193	439	-	*	1072	3223	177	1084	3223
	2005	299	566	-	*	1261	4103	299	1287	4103
	2006	307	695	-	*	1324	4395	307	1369	4395
	2007	336	743	-	*	1291	3863	336	1429	3863
	2008	399	867	*	*	1559	4365	399	1655	4365
	2009	239	616	-	*	1111	3199	239	1194	3199
	2010	428	908	-	*	947	2448	411	1222	2448
	2011	355	969	-	*	1460	3953	355	1760	3953
	2012	670	1076	-	*	1712	4277	670	1974	4277
All Gear	2003	69	251	96	111	617	2296	77	550	2201
	2004	67	267	31	61	599	1974	70	550	1934
	2005	70	336	60	56	754	2648	72	666	2656
	2006	73	402	57	98	816	3192	79	757	3198
	2007	77	427	9	68	845	2709	81	779	2710
	2008	84	513	59	110	968	3311	91	935	3233
	2009	69	396	*	65	723	2513	72	687	2444
	2010	82	524	*	106	638	1925	88	738	1873
	2011	108	664	*	168	932	3167	118	1051	3079
	2012	108	727	*	211	1099	3335	119	1155	3247

**Notes:** These estimates include only catch counted against federal TACs.

**Source:** NMFS Alaska Region Catch-Accounting System and Weekly Processor reports; ADF&G COAR buying data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 22A: Ex-vessel value of the groundfish catch off Alaska by area, residency, and species, 2008 - 2012 , (\$ millions).

	Year	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
		Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2008	8.2	11.3	83.1	366.4	91.3	377.7
	2009	7	8.9	51.8	284.4	58.8	293.3
	2010	13.2	15.7	43.1	215.1	56.3	230.7
	2011	11.1	17	65.2	366	76.3	383
	2012	15	23.5	65.4	393.2	80.4	416.7
Sablefish	2008	43	40.2	3.3	8.2	46.3	48.5
	2009	41.2	36.9	3.2	7.4	44.5	44.3
	2010	44.3	41.1	4.5	11.7	48.8	52.8
	2011	65.5	59.4	7.7	10.7	73.2	70.1
	2012	57.2	53.4	4.9	8.6	62.2	62
Pacific Cod	2008	39.9	23.9	40.6	168.4	80.4	192.2
	2009	21.5	10	20.5	78.7	42	88.7
	2010	28.7	14.2	23.4	78.4	52.1	92.6
	2011	43.2	17.8	32.9	115.9	76.2	133.7
	2012	43.5	16.2	37.8	138.5	81.3	154.7
Flatfish	2008	2.9	8.1	20.2	68.6	23.1	76.7
	2009	3	5.7	16.6	46.6	19.6	52.2
	2010	2.3	4.2	20.4	53.8	22.7	58
	2011	1.7	6.4	8.1	97.3	9.8	103.6
	2012	1.3	5.8	1.4	119.8	2.8	125.6
Rockfish	2008	2.4	6.7	0.1	7.3	2.5	14
	2009	1.8	3.4	0.2	6.7	1.9	10.2
	2010	2.4	4.9	0.3	11	2.7	15.9
	2011	1.9	6.1	0.5	20.3	2.4	26.4
	2012	3.7	12	0.1	17	3.7	29
Atka Mackerel	2008	0	0.3	0	21.3	0	21.6
	2009	0	0.8	0	28.8	0.1	29.6
	2010	0.1	0.6	0	29.5	0.1	30.1
	2011	0	0.8	0	29.5	0	30.4
	2012	0	0.6	0	29.9	0	30.5
All Groundfish	2008	97.6	91.6	147.8	643.9	245.4	735.6
	2009	75.7	66.5	92.6	454.2	168.3	520.7
	2010	92.2	81.7	91.9	400.2	184.1	481.9
	2011	125.1	109.1	115.3	643.3	240.4	752.4
	2012	122.2	113.1	110.2	709.1	232.4	822.2

**Notes:** These estimates include only catches counted against federal TACs. Ex-vessel value is calculated using prices on Table 18a. Please refer to Table 18a for a description of the price derivation. Catch delivered to motherships is classified by the residence of the owner of the mothership. All other catch is classified by the residence of the owner of the fishing vessel. All groundfish include additional species categories. For catch for which the residence is unknown, there are either no data or the data have been suppressed to preserve confidentiality.

**Source:** NMFS Alaska Region Catch Accounting System, Commercial Operators Annual Report (COAR), ADFG fish tickets, weekly processor reports (housed at the Alaska Fisheries Information Network (AKFIN)).

National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 23A: Ex-vessel value of groundfish delivered to shoreside processors by processor group, 2007 - 2012 (\$ millions)

Region	2007	2008	2009	2010	2011	2012
Bering Sea Pollock	211	260.1	172.5	168.1	254.4	225.1
AK Peninsula/Aleutians	27.9	24.2	11.3	5.5	12	19.6
Kodiak	56.1	67	41.7	59.9	77.4	87.7
South Central	24.6	26	25.5	27	44.8	37
Southeastern	30	36.3	30.8	33.6	44.8	43.3
All Regions	349.6	413.6	281.8	294.2	433.5	412.6

Table 24A: Ex-vessel value of groundfish as a percentage of the ex-vessel value of all species delivered to shoreside processors by processor group, 2007 - 2012 (percent)

Region	2007	2008	2009	2010	2011	2012
Bering Sea Pollock	62.8	62	58.9	57.5	58.7	60.1
AK Peninsula/Aleutians	15.6	11.8	6.1	2.4	4.6	7.1
Kodiak	41.9	44	35.1	42.9	41.9	47.9
South Central	12.3	12.4	15.8	9.3	17.7	15.6
Southeastern	13.7	15	15.9	13.4	13.9	15.7
All Regions	32.8	33.6	29.5	24.5	29.8	30.6

**Notes:** These tables include the value of groundfish purchases reported by processing plants, as well as by other entities, such as markets and restaurants, that normally would not report sales of groundfish products. Keep this in mind when comparing ex-vessel values in this table to gross processed-product values in Table 34. The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: "Bering Sea Pollock" are the AFA inshore pollock processors including the two AFA floating processors. "AK Peninsula/Aleutian" are other processors on the Alaska Peninsula or in the Aleutian Islands. "Kodiak" are processors on Kodiak Island. "South Central" are processors west of Yakutat and on the Kenai Peninsula. "Southeastern" are processors located from Yakutat south.

**Source:** ADFG Commercial Operators Annual Report, ADFG intent to process (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

#### 4.2.2 Ex-vessel data tables based on CFEC fishtickets

Table 16B: Real ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 2004 - 2012 (\$ millions, base year = 2012 )

Year	Shellfish	Salmon	Herring	Halibut	Groundfish	Total
2004	230.9	355.4	19.5	235.1	724.5	1565.4
2005	217.5	405.3	19	219.7	797.3	1658.7
2006	171	380.1	12	233.6	818.7	1615.4
2007	223.2	457.8	18.2	257.4	802.1	1758.7
2008	292.2	466.9	28.9	235.8	960.4	1984.4
2009	221.5	444.7	27.4	154.2	610.5	1458.4
2010	243.7	550.3	23.3	211.6	672.3	1701.3
2011	297.6	611.5	10.8	205.1	843.1	1968.1
2012	284.2	441.3	19.4	144.8	845.9	1735.6

**Notes:** These estimates include the value of catch from both federal and state of Alaska fisheries. The data have been adjusted to 2012 dollars by applying the Producer Price Index for unprocessed and packaged fish (series number WPU0223) from the Bureau of Labor Statistics at: <http://data.bls.gov/cgi-bin/srgate>.

**Source:** NMFS Alaska Region Blend and Catch-Accounting System estimates, Weekly Production Reports (WPR), Commercial Operators Annual Reports (COAR), Fisheries of the United States (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 17B: Percentage distribution of ex-vessel value of the catch in the domestic commercial fisheries off Alaska by species group, 2004 - 2012

Year	Shellfish	Salmon	Herring	Halibut	Groundfish
2004	14.8 %	22.7 %	1.2 %	15 %	46.3 %
2005	13.1 %	24.4 %	1.1 %	13.2 %	48.1 %
2006	10.6 %	23.5 %	0.7 %	14.5 %	50.7 %
2007	12.7 %	26 %	1 %	14.6 %	45.6 %
2008	14.7 %	23.5 %	1.5 %	11.9 %	48.4 %
2009	15.2 %	30.5 %	1.9 %	10.6 %	41.9 %
2010	14.3 %	32.3 %	1.4 %	12.4 %	39.5 %
2011	15.1 %	31.1 %	0.5 %	10.4 %	42.8 %
2012	16.4 %	25.4 %	1.1 %	8.3 %	48.7 %

**Notes:** These estimates report the distribution of the value of catch from both federal and state of Alaska fisheries.

**Source:** NMFS Alaska Region Blend and Catch-Accounting System estimates, Weekly Production Reports (WPR), Commercial Operators Annual Reports (COAR), Fisheries of the United States. (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 18B: Ex-vessel prices in the groundfish fisheries off Alaska by area, gear, and species, 2008 - 2012 (\$/lb, round weight)

	Year	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska
		Fixed	Trawl	Fixed	Trawl	
Pollock	2008	0.114	0.175	0.156	0.17	0.171
	2009	0.101	0.164	0.063	0.127	0.128
	2010	0.109	0.166	0.125	0.135	0.137
	2011	0.141	0.161	0.166	0.131	0.133
	2012	0.137	0.153	0.138	0.117	0.12
Sablefish	2008	2.926	1.963	2.771	1.18	2.819
	2009	3.114	2.04	2.99	1.28	3.001
	2010	3.686	2.793	3.568	1.595	3.584
	2011	4.927	4.019	4.874	1.792	4.83
	2012	3.967	3.226	3.444	1.013	3.806
Pacific Cod	2008	0.558	0.521	0.462	0.481	0.488
	2009	0.278	0.238	0.185	0.159	0.197
	2010	0.269	0.231	0.29	0.23	0.266
	2011	0.318	0.299	0.208	0.223	0.241
	2012	0.354	0.309	0.229	0.271	0.267
Flatfish	2008	0.045	0.115	0.041	0.168	0.161
	2009	0.036	0.119	0.123	0.14	0.137
	2010	0.051	0.1	0.038	0.147	0.141
	2011	0.055	0.091	0.136	0.18	0.169
	2012	0.066	0.105	0.196	0.199	0.192
Rockfish	2008	0.674	0.168	0.563	0.172	0.186
	2009	0.678	0.141	0.532	0.171	0.171
	2010	0.627	0.181	0.374	0.228	0.215
	2011	0.696	0.259	0.525	0.345	0.316
	2012	0.805	0.267	0.474	0.289	0.29
Atka Mackerel	2008	*	0.195	0.02	0.17	0.171
	2009	*	0.28	*	0.188	0.19
	2010	*	0.277	0.054	0.209	0.21
	2011	0.016	0.364	0.151	0.265	0.267
	2012	0.109	0.386	0.089	0.293	0.295

**Notes:** 1) Prices are for catch from both federal and state of Alaska fisheries.

2) Prices do not include the value added by at-sea processing except for the value added by dressing fish at sea where the fish have not been frozen. The unfrozen landings price is calculated as landed value divided by estimated or actual round weight.

3) Trawl-caught sablefish, rockfish and flatfish in the BSAI and trawl-caught Atka mackerel in both the BSAI and the GOA are not well represented by on-shore landings. A price was calculated for these categories from product-report prices; the price in this case is the value of the product divided by the calculated round weight and multiplied by a constant 0.4 to correct for value added by processing.

4) The “All Alaska/All gear” column is the weighted average of the other columns.

**Source:** NMFS Alaska Region Catch Accounting System, Commercial Operators Annual Report (COAR), weekly processor reports, (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 19B: Ex-vessel value of the groundfish catch off Alaska by area, vessel category, gear, and species, 2008 - 2012 (\$ millions)

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Sablefish	2008	63.3	7.9	71.2	1.8	2.9	4.8	65.2	10.8	76
	2009	58.6	6.5	65.1	3.7	4.2	7.9	62.3	10.7	73
	2010	66.4	5.3	71.7	5	4.6	9.6	71.4	9.9	81.3
	2011	97.2	8.2	105.4	7.3	4.5	11.8	104.5	12.7	117.2
	2012	88.1	6.1	94.2	6	4	10.1	94.1	10.1	104.2
Pacific Cod	2008	11.7	4.3	16	1.7	89.3	91.1	13.4	93.7	107.1
	2009	7.5	2.1	9.6	0.4	38.3	38.8	8	40.4	48.4
	2010	8	5.1	13.1	0.4	55.2	55.7	8.4	60.3	68.7
	2011	10.5	3.3	13.8	0.8	46.3	47	11.3	49.6	60.9
	2012	13.1	3.2	16.3	0.7	57.2	57.9	13.8	60.4	74.1
Hook & Line	2008	0	0	0	*	0.1	0.1	0	0.1	0.1
	2009	0	0	0	*	0.5	0.5	0	0.5	0.5
	Flatfish	2010	0	0	*	0.2	0.2	0	0.2	0.2
	2011	0	0	0	*	0.7	0.7	0	0.7	0.7
	2012	0	0	0	*	1.2	1.2	0	1.2	1.2
Rockfish	2008	1.5	0.2	1.7	0	0.2	0.2	1.5	0.4	1.9
	2009	1.3	0.1	1.5	0.1	0.2	0.3	1.4	0.4	1.8
	2010	1.2	0.1	1.3	0.1	0.3	0.3	1.3	0.4	1.7
	2011	1.2	0.1	1.3	0.1	0.1	0.2	1.3	0.2	1.5
	2012	1.7	0.2	1.9	0.1	0.2	0.2	1.8	0.4	2.1
All Species	2008	77	12.4	89.4	3.6	95.4	99	80.6	107.7	188.4
	2009	68	8.7	76.7	4.2	44.3	48.5	72.2	53	125.2
	2010	76.1	10.6	86.7	5.5	62.8	68.3	81.6	73.4	155
	2011	109.5	11.9	121.4	8.1	55.3	63.4	117.6	67.2	184.8
	2012	103.7	9.6	113.3	6.8	69.7	76.5	110.5	79.3	189.8

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Table 19B: Continued

		Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
			Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
				*			*			*	
Pot	Pacific Cod	2008	30.2	*	30.2	20.6	4.2	24.8	50.8	4.2	55
		2009	13.7	*	13.7	6.6	2	8.6	20.3	2	22.3
		2010	20	-	20	11.4	3.5	14.9	31.4	3.5	34.9
		2011	33.3	*	33.3	18.2	1.3	19.4	51.5	1.3	52.7
		2012	28.6	*	28.6	19.9	3.8	23.7	48.4	3.8	52.2
61	Pollock	2008	18.6	0.2	18.8	225.8	142.4	368.2	244.4	142.6	387
		2009	14.8	0.2	15	170.6	53.4	223.9	185.4	53.5	238.9
		2010	27.4	0.3	27.6	146.7	91.9	238.6	174.1	92.2	266.3
		2011	27.8	0.4	28.1	223.3	120.5	343.8	251.1	120.9	372
		2012	34	0.4	34.4	177.1	131.1	308.2	211.1	131.5	342.6
Trawl	Sablefish	2008	1.9	1.6	3.4	0	0.7	0.7	1.9	2.2	4.1
		2009	2	1.6	3.6	0	0.5	0.5	2.1	2	4.1
		2010	2.8	2.4	5.3	0	0.4	0.4	2.8	2.8	5.6
		2011	4.7	3.5	8.1	0	0.3	0.3	4.7	3.8	8.5
		2012	2.9	2.7	5.7	*	0.5	0.5	2.9	3.3	6.2
	Pacific Cod	2008	18.8	1.1	19.9	33.5	24.7	58.1	52.2	25.8	78
		2009	5.5	0.2	5.8	12	8.1	20	17.5	8.3	25.8
		2010	9.2	0.6	9.8	11.3	18.4	29.8	20.5	19.1	39.6
		2011	9.9	0.5	10.4	17.8	18	35.8	27.7	18.5	46.2
		2012	12.5	0.8	13.3	28	23.7	51.7	40.5	24.5	65
	Flatfish	2008	7.2	1.6	8.9	0.4	86.9	87.3	7.7	88.5	96.2
		2009	5.3	2.5	7.8	0.6	60.5	61	5.9	62.9	68.8
		2010	3.8	2.2	5.9	0.2	73.1	73.3	4	75.2	79.2
		2011	4.1	2.5	6.6	0.5	102.2	102.7	4.6	104.7	109.3
		2012	3.4	2	5.5	0.5	117	117.5	3.9	119	123

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Table 19B: Continued

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Rockfish	2008	3.1	4.5	7.6	0.2	7	7.2	3.2	11.5	14.7
	2009	1.5	4.7	6.2	0.1	6.3	6.4	1.6	11	12.6
	2010	2.5	6.6	9	0	10.7	10.7	2.5	17.3	19.8
	2011	2.9	8.7	11.5	0	20.4	20.5	2.9	29.1	32
	2012	6.2	8.1	14.3	0	16.8	16.8	6.2	24.9	31.1
Trawl	2008	0	0.3	0.3	0	21.3	21.3	0	21.7	21.7
	2009	0	0.8	0.8	0	28.9	28.9	0	29.7	29.7
	Atka Mackerel	0	0.7	0.7	0	29.8	29.8	0	30.5	30.5
	2011	0	0.8	0.8	0.1	29.1	29.2	0.1	29.9	30
	2012	0	0.6	0.6	0	30	30	0	30.6	30.6
All Species	2008	50.4	9.4	59.8	260	283.2	543.2	310.4	292.6	603
	2009	29.8	10	39.8	183.3	157.8	341.1	213.1	167.9	381
	2010	46.6	13	59.6	158.4	225.1	383.5	205	238.2	443.1
	2011	50.7	16.6	67.3	241.8	290.9	532.7	292.5	307.5	600
	2012	60.4	15	75.4	205.7	319.7	525.4	266.2	334.7	600.8
Pollock	2008	18.7	0.2	18.8	225.8	143.9	369.7	244.4	144.1	388.5
	2009	14.9	0.2	15	170.6	53.9	224.5	185.4	54.1	239.5
	2010	27.4	0.3	27.7	146.7	92.8	239.5	174.1	93.1	267.2
	2011	27.8	0.4	28.2	223.3	122.2	345.5	251.1	122.6	373.7
	2012	34.1	0.4	34.5	177.1	132.5	309.5	211.1	132.9	344
All Gear	2008	65.2	9.4	74.6	7.2	3.6	10.7	72.3	13	85.3
	2009	60.6	8.1	68.7	7.7	4.6	12.3	68.3	12.7	81
	2010	69.2	7.7	76.9	5	4.9	10	74.3	12.6	86.9
	2011	101.9	11.7	113.5	12.5	4.9	17.4	114.4	16.6	130.9
	2012	91	8.8	99.8	6	4.6	10.6	97	13.4	110.4

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Table 19B: Continued

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors	Catcher Vessel	Catcher Processor	All Sectors
Pacific Cod	2008	60.7	5.4	66.1	55.8	118.2	174	116.5	123.6	240.1
	2009	26.7	2.3	29.1	19	48.4	67.4	45.7	50.8	96.5
	2010	37.2	5.7	42.9	23.2	77.2	100.3	60.4	82.9	143.3
	2011	53.7	3.8	57.5	36.7	65.6	102.3	90.4	69.4	159.8
	2012	54.1	4	58.1	48.5	84.7	133.2	102.7	88.7	191.3
Flatfish	2008	7.2	1.7	8.9	0.4	87	87.5	7.7	88.7	96.4
	2009	5.3	2.5	7.8	0.6	61	61.5	5.9	63.4	69.3
	2010	3.8	2.2	6	0.2	73.3	73.5	4	75.5	79.5
	2011	4.1	2.5	6.6	0.5	102.9	103.4	4.6	105.4	110.1
	2012	3.4	2	5.5	0.5	118.2	118.7	3.9	120.3	124.2
All Gear	2008	4.5	4.7	9.2	0.2	7.2	7.4	4.7	11.9	16.6
	2009	2.8	4.8	7.6	0.2	6.5	6.7	3	11.3	14.3
	Rockfish	3.7	6.7	10.4	0.1	11	11	3.8	17.7	21.4
	2011	4.1	8.8	12.8	0.1	20.6	20.7	4.2	29.3	33.5
	2012	7.9	8.2	16.2	0.1	17	17.1	8	25.2	33.2
Atka Mackerel	2008	0	0.3	0.3	0	21.3	21.3	0	21.7	21.7
	2009	0	0.8	0.8	0	28.9	28.9	0	29.7	29.7
	2010	0	0.7	0.7	0	29.8	29.8	0	30.5	30.5
	2011	0	0.8	0.8	0.1	29.1	29.2	0.1	29.9	30
	2012	0	0.6	0.6	0	30	30	0	30.6	30.6
All Species	2008	158	21.8	179.7	289.6	382.8	672.3	447.5	404.5	852.1
	2009	111.7	18.8	130.4	198.1	204.2	402.2	309.8	222.9	532.7
	2010	142.9	23.7	166.6	175.3	291.4	466.8	318.2	315.1	633.3
	2011	193.8	28.5	222.4	273.3	347.4	620.8	467.2	376	843.1
	2012	193	24.6	217.6	232.4	393.2	625.6	425.4	417.8	843.2

**Notes:** These estimates include the value of catch from both federal and state of Alaska fisheries. Ex-vessel value is calculated using prices on Table 18b. Please refer to Table 18b for a description of the price derivation. All groundfish includes additional species categories. The value added by at-sea processing is not included in these estimates of ex-vessel value.

**Source:** NMFS Alaska Region Catch Accounting System, Commercial Operators Annual Report (COAR), weekly processor reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 20B: Ex-vessel value of Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2004 - 2012 (\$ millions)

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Fixed	2004	59.2	21.9	0.1	3.8	8	1.8	63	29.8	1.9
	2005	53.1	24.3	0.3	3.9	11.1	1.9	57.1	35.4	2.1
	2006	55.8	29.5	0.2	6.1	13	3.6	62	42.5	3.8
	2007	62.8	28.2	0	5.7	16.4	2.7	68.4	44.5	2.7
	2008	75.2	32.1	0.3	9.3	16.5	3.8	84.5	48.6	4.1
	2009	57.8	24.1	*	5.2	7.9	1.7	63	32	1.7
	2010	68.2	28	*	7	10.7	2.9	75.2	38.7	2.9
	2011	101.4	41.8	*	12.2	15.3	4	113.6	57.1	4
	2012	94.8	37.8	*	15.3	10.4	3.6	110.1	48.2	3.6
Trawl	2004	4.1	22.8	-	*	76.9	83.1	4.1	99.7	83.1
	2005	7.2	28.3	-	*	83.8	102.3	7.2	112	102.3
	2006	7.2	31.4	-	*	92.5	110.3	7.2	123.8	110.3
	2007	7.7	29.6	-	*	88	96.9	7.7	117.6	96.9
	2008	12.1	38.1	*	*	103.4	118	12.1	141.5	118
	2009	5.9	23.9	-	*	69.9	81.3	5.9	93.8	81.3
	2010	8.8	37.8	-	*	60.4	67.8	8.8	98.2	67.8
	2011	7.2	43.5	-	*	96.3	104.7	7.2	139.8	104.7
	2012	13.3	47.1	-	*	89.2	90.9	13.3	136.2	90.9
All Gear	2004	63.3	44.6	0.1	3.8	84.9	85	67.1	129.5	85.1
	2005	60.3	52.6	0.3	3.9	94.9	104.2	64.2	147.5	104.4
	2006	63	60.8	0.2	6.1	105.5	113.8	69.2	166.3	114.1
	2007	70.5	57.8	0	5.7	104.3	99.6	76.1	162.1	99.6
	2008	87.3	70.2	0.3	9.3	119.9	121.7	96.6	190.1	122
	2009	63.7	48	*	5.2	77.8	83	68.9	125.8	83
	2010	77	65.8	*	7	71.1	70.7	84	136.9	70.7
	2011	108.6	85.3	*	12.2	111.6	108.7	120.8	196.9	108.7
	2012	108.1	84.9	*	15.3	99.6	94.5	123.4	184.5	94.5

**Notes:** These estimates include only catch counted against federal TACs.

**Source:** NMFS Alaska Region Catch-Accounting System and Weekly Processor reports; ADF&G COAR buying data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 21B: Ex-vessel value per catcher vessel for Alaska groundfish delivered to shoreside processors by area, gear and catcher-vessel length, 2004 - 2012 (\$ thousands)

Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska			
	<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125	
Fixed	2004	60	168	27	71	106	100	63	185	101
	2005	59	204	55	60	173	125	62	235	143
	2006	61	238	60	101	207	323	66	287	345
	2007	64	258	9	78	282	222	69	320	224
	2008	71	314	75	120	271	376	78	377	369
	2009	58	254	*	77	168	210	62	274	187
	2010	68	298	*	103	224	320	73	340	288
	2011	94	454	*	170	274	497	104	488	442
	2012	87	461	*	243	226	398	100	455	358
	2004	178	422	-	*	1025	3080	164	1038	3080
Trawl	2005	266	554	-	*	1180	3934	266	1218	3934
	2006	289	654	-	*	1284	4241	289	1317	4241
	2007	296	644	-	*	1222	3728	296	1321	3728
	2008	448	867	*	*	1477	4213	448	1590	4213
	2009	220	542	-	*	1043	3011	220	1103	3011
	2010	366	879	-	*	974	2513	351	1227	2513
	2011	313	966	-	*	1395	3878	313	1704	3878
	2012	580	1002	-	*	1372	3246	580	1662	3246
	2004	64	255	27	63	574	1888	67	527	1849
	2005	66	327	55	56	708	2541	69	633	2547
All Gear	2006	68	378	60	96	787	3076	74	723	3082
	2007	72	385	9	72	809	2621	76	730	2622
	2008	82	498	60	113	922	3203	89	897	3129
	2009	64	358	*	69	689	2371	68	642	2305
	2010	76	498	*	97	647	1964	81	724	1911
	2011	100	641	*	168	893	3105	110	1010	3019
	2012	99	674	*	225	897	2553	112	997	2486

**Notes:** These estimates include only catch counted against federal TACs.

**Source:** NMFS Alaska Region Catch-Accounting System and Weekly Processor reports; ADF&G COAR buying data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 22B: Ex-vessel value of the groundfish catch off Alaska by area, residency, and species, 2008 - 2012 , (\$ millions).

	Year	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
		Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2008	8	10.9	66.4	303.3	74.4	314.2
	2009	6.7	8.3	35.1	189.4	41.8	197.7
	2010	12.6	15.1	44.3	195.2	56.9	210.4
	2011	11	17.1	51.2	294.3	62.3	311.4
	2012	13.2	21.3	40.3	269.2	53.4	290.5
Sablefish	2008	38.4	36.2	3	7.9	41.4	44.1
	2009	36.6	32.1	3.7	8.6	40.3	40.7
	2010	40	36.9	3.7	9.9	43.7	46.9
	2011	59.4	54.1	7.2	10.3	66.7	64.5
	2012	51.5	48.3	4.5	8.8	56	57.1
Pacific Cod	2008	41.8	25.2	32.8	141.3	74.6	166.5
	2009	21	8.2	13.2	54.3	34.1	62.4
	2010	28.7	14.3	23.5	76.9	52.1	91.1
	2011	41.8	15.8	22.2	80.1	64	95.9
	2012	42.8	15.3	28.3	104.9	71.1	120.2
Flatfish	2008	2.9	6	20.3	67.1	23.2	73.2
	2009	2.5	5.3	16.7	44.8	19.2	50.1
	2010	2	4	20.6	52.9	22.6	56.9
	2011	1.6	5	8.2	95.2	9.8	100.2
	2012	1.2	4.3	1.3	117.4	2.5	121.7
Rockfish	2008	2.5	6.7	0.1	7.3	2.6	14
	2009	2.4	5.3	0.2	6.5	2.6	11.7
	2010	3.2	7.2	0.3	10.8	3.4	18
	2011	2.1	10.8	0.5	20.2	2.6	30.9
	2012	4	12.1	0.1	17	4.1	29.1
Atka Mackerel	2008	0	0.3	0	21.3	0	21.7
	2009	0	0.8	0	28.9	0.1	29.7
	2010	0.1	0.6	0	29.8	0.1	30.4
	2011	0	0.8	0	29.2	0	30
	2012	0	0.6	0	30	0	30.6
All Groundfish	2008	94.6	86	122.8	549.7	217.4	635.8
	2009	70.2	60.3	69	333.2	139.2	393.6
	2010	87.6	78.9	92.7	377.7	180.4	456.6
	2011	117.3	105.1	89.8	531.1	207.2	636.2
	2012	114.1	103.5	76.1	552.2	190.2	655.6

**Notes:** These estimates include only catches counted against federal TACs. Ex-vessel value is calculated using prices on Table 18b. Please refer to Table 18b for a description of the price derivation. Catch delivered to motherships is classified by the residence of the owner of the mothership. All other catch is classified by the residence of the owner of the fishing vessel. All groundfish include additional species categories. For catch for which the residence is unknown, there are either no data or the data have been suppressed to preserve confidentiality.

**Source:** NMFS Alaska Region Catch Accounting System, Commercial Operators Annual Report (COAR), ADFG fish tickets, weekly processor reports (housed at the Alaska Fisheries Information Network (AKFIN)).

National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 23B: Ex-vessel value of groundfish delivered to shoreside processors by processor group, 2007 - 2012 (\$ millions)

Region	2007	2008	2009	2010	2011	2012
Bering Sea Pollock	204.5	257.8	174.3	172.5	247.7	220
AK Peninsula/Aleutians	28.3	23.9	10.1	5.7	12	19.6
Kodiak	55.5	67.6	42.3	60.1	79	84.3
South Central	24.4	25.9	25.7	26.8	44.3	36.4
Southeastern	29.2	33.3	28.6	31.3	41.9	39.9
All Regions	341.8	408.6	281	296.5	424.9	400.3

Table 24B: Ex-vessel value of groundfish as a percentage of the ex-vessel value of all species delivered to shoreside processors by processor group, 2007 - 2012 (percent)

Region	2007	2008	2009	2010	2011	2012
Bering Sea Pollock	63.8	62.8	61.5	58.2	59.2	63.3
AK Peninsula/Aleutians	16.8	11.8	5.4	2.6	4.4	8.2
Kodiak	42.5	45.2	37.1	45.6	43.7	49.9
South Central	12.4	12.3	16.7	9.4	17	15.8
Southeastern	13.7	15.3	15.6	13.8	13.9	16.3
All Regions	33.2	34.3	30.5	25.6	29.6	32.5

**Notes:** These tables include the value of groundfish purchases reported by processing plants, as well as by other entities, such as markets and restaurants, that normally would not report sales of groundfish products. Keep this in mind when comparing ex-vessel values in this table to gross processed-product values in Table 34. The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: "Bering Sea Pollock" are the AFA inshore pollock processors including the two AFA floating processors. "AK Peninsula/Aleutian" are other processors on the Alaska Peninsula or in the Aleutian Islands. "Kodiak" are processors on Kodiak Island. "South Central" are processors west of Yakutat and on the Kenai Peninsula. "Southeastern" are processors located from Yakutat south.

**Source:** ADFG Commercial Operators Annual Report, ADFG intent to process (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

#### 4.3. Wholesale Production, Value and Price Data Tables

Table 25: Production and gross value of groundfish products in the fisheries off Alaska by species, 2008 - 2012 (1,000 metric tons product weight and million dollars)

	Product	2008		2009		2010		2011		2012	
		Quantity	Value								
Pollock	Whole Fish	1.7	\$ 1.3	2.04	\$ 2.3	1.24	\$ 1.6	2.01	\$ 3.2	2.19	\$ 2.2
	Head And Gut	24.3	\$ 42.1	57.27	\$ 85.7	60.81	\$ 97	59.6	\$ 115.4	48.15	\$ 71.2
	Roe	20.79	\$ 240.4	18.49	\$ 162.9	16.45	\$ 98	19.29	\$ 152.9	18.16	\$ 169.2
	Deep-Skin Fillets	42.39	\$ 155.9	41.28	\$ 166.6	40.28	\$ 158.5	46.19	\$ 171	55.49	\$ 206.5
	Other Fillets	79.67	\$ 301.2	76.57	\$ 295	71.17	\$ 263.8	120.72	\$ 399.1	96.96	\$ 314
	Surimi	125.7	\$ 526.3	87.12	\$ 249.8	103.59	\$ 357.2	148.07	\$ 415.2	167.04	\$ 523.6
	Minced Fish	20.36	\$ 40.2	22.1	\$ 42.2	21.59	\$ 41.6	30.99	\$ 50.8	31.59	\$ 54.3
	Fish Meal	43.89	\$ 48.7	34.9	\$ 42	38.32	\$ 60.3	52.92	\$ 82.5	52.52	\$ 78.8
	Other Products	19.45	\$ 21.2	22.91	\$ 18.7	26.25	\$ 26.3	33.97	\$ 37.3	38.79	\$ 48.6
Sablefish	All Products	378.24	\$ 1377.4	362.68	\$ 1065.1	379.72	\$ 1104.3	513.75	\$ 1427.5	510.89	\$ 1468.3
	Head And Gut	7.32	\$ 90.4	6.79	\$ 87	6.7	\$ 104.3	6.86	\$ 138.3	7.52	\$ 113.4
	Other Products	0.99	\$ 8.6	0.68	\$ 7.1	0.49	\$ 5.2	0.81	\$ 9.1	0.63	\$ 3.4
	All Products	8.32	\$ 99	7.47	\$ 94	7.18	\$ 109.5	7.67	\$ 147.4	8.16	\$ 116.8

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Table 25: Continued

Product	2008		2009		2010		2011		2012		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
Pacific Cod	Whole Fish	3.28	\$ 4.7	4.58	\$ 5.5	3.01	\$ 2.9	2.47	\$ 3.7	3.27	\$ 4.8
	Head And Gut	82	\$ 334.5	72.28	\$ 186.7	80.32	\$ 232.4	106.07	\$ 348.8	119.6	\$ 354.3
	Salted/Split	1.58	\$ 5	0.02	\$ 0	*	\$ *	*	\$ *	*	\$ *
	Cod Roe	3.81	\$ 11.4	2.98	\$ 4.6	5.05	\$ 6.6	3.17	\$ 4.9	3.86	\$ 7.1
	Fillets	9.47	\$ 82.9	11.48	\$ 67.1	14.8	\$ 86.8	15.79	\$ 106.2	15.84	\$ 103.8
	Other Products	10.51	\$ 18.3	8.96	\$ 16.3	12.29	\$ 22.6	15.06	\$ 33.2	14.17	\$ 25.2
Flatfish	All Products	110.65	\$ 456.8	100.29	\$ 280.1	115.47	\$ 351.3	142.56	\$ 496.9	156.75	\$ 495.3
	Whole Fish	16.99	\$ 22.3	17.26	\$ 22.7	18.51	\$ 20.6	20.47	\$ 28.8	25.07	\$ 37.9
	Head And Gut	117.12	\$ 169.8	101.13	\$ 121.9	119.38	\$ 152.3	141.36	\$ 222.1	141.56	\$ 240.5
	Kirimi	*	\$ *	*	\$ *	*	\$ *	*	\$ *	*	\$ *
	Fillets	0.12	\$ 0.5	0.04	\$ 0.2	0.02	\$ 0.1	0.03	\$ 0.1	0.02	\$ 0.1
	Fish Meal	-	\$ -	-	\$ -	-	\$ -	0	\$ 0	0	\$ 0
Rockfish	Other Products	2.32	\$ 3.5	4	\$ 6.5	4.28	\$ 9.2	3.46	\$ 8.1	3.12	\$ 6.4
	All Products	136.54	\$ 196	122.43	\$ 151.3	142.19	\$ 182.2	165.32	\$ 259.1	169.77	\$ 284.9
	Whole Fish	1.73	\$ 3.8	2.28	\$ 4.3	3.44	\$ 6.8	3.61	\$ 8.5	3.24	\$ 7
	Head And Gut	17.79	\$ 34.1	16.14	\$ 31.6	20.17	\$ 50.5	22.32	\$ 84	22.66	\$ 72.6
	Other Products	0.82	\$ 2.6	0.49	\$ 2.4	0.54	\$ 2.2	0.43	\$ 2.4	0.69	\$ 5.2
	All Products	20.35	\$ 40.5	18.91	\$ 38.4	24.15	\$ 59.4	26.35	\$ 94.9	26.59	\$ 84.7
Atka Mackerel	Whole Fish	2.89	\$ 2	3.66	\$ 3.3	2.15	\$ 1.7	5.33	\$ 5.3	5.63	\$ 7.7
	Head And Gut	30.04	\$ 47	37.34	\$ 64.3	37.84	\$ 72.7	27.41	\$ 69.6	24.51	\$ 67
	Other Products	0	\$ 0	0	\$ 0	0	\$ 0	0	\$ 0	0.03	\$ 0
	All Products	32.94	\$ 49.1	41.01	\$ 67.7	39.99	\$ 74.4	32.74	\$ 74.9	30.17	\$ 74.7
All Species Total		694.32	\$ 2233.7	658.91	\$ 1708.6	713.7	\$ 1890.5	893.19	\$ 2511.9	907.8	\$ 2539.9

**Notes:** Total includes additional species not listed in the production details as well as confidential data from Tables 28 and 29. These estimates are for catch from both federal and state of Alaska fisheries.

**Source:** Weekly processor report and commercial operators annual report. National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 26: Price per pound of groundfish products in the fisheries off Alaska by species and processing mode, 2008 - 2012 (dollars)

	Product	2008		2009		2010		2011		2012	
		At-sea	Shoreside								
Pollock	Whole Fish	\$ 0.31	\$ 0.36	\$ 0.82	\$ 0.34	\$ 0.44	\$ 0.58	\$ 0.66	\$ 0.73	\$ 0.54	\$ 0.45
	Head And Gut	\$ 0.78	\$ 0.8	\$ 0.51	\$ 0.8	\$ 0.74	\$ 0.72	\$ 1	\$ 0.65	\$ 0.73	\$ 0.6
	Roe	\$ 6.01	\$ 4.28	\$ 4.83	\$ 3.15	\$ 3.51	\$ 2	\$ 3.94	\$ 3.07	\$ 5.03	\$ 3.38
	Deep-Skin Fillets	\$ 1.76	\$ 1.51	\$ 1.98	\$ 1.55	\$ 1.89	\$ 1.57	\$ 1.75	\$ 1.52	\$ 1.7	\$ 1.67
	Other Fillets	\$ 1.78	\$ 1.65	\$ 1.7	\$ 1.79	\$ 1.64	\$ 1.72	\$ 1.46	\$ 1.53	\$ 1.42	\$ 1.52
	Surimi	\$ 2	\$ 1.79	\$ 1.37	\$ 1.23	\$ 1.75	\$ 1.37	\$ 1.39	\$ 1.16	\$ 1.61	\$ 1.26
	Minced Fish	\$ 0.91	\$ 0.87	\$ 0.85	\$ 0.98	\$ 0.87	\$ 0.89	\$ 0.76	\$ 0.7	\$ 0.79	\$ 0.74
	Fish Meal	\$ 0.65	\$ 0.43	\$ 0.67	\$ 0.48	\$ 0.86	\$ 0.63	\$ 0.79	\$ 0.65	\$ 0.86	\$ 0.56
Pacific Cod	Other Products	\$ 0.61	\$ 0.46	\$ 0.47	\$ 0.31	\$ 0.58	\$ 0.37	\$ 0.6	\$ 0.44	\$ 0.67	\$ 0.53
	All Products	\$ 1.83	\$ 1.46	\$ 1.45	\$ 1.22	\$ 1.49	\$ 1.16	\$ 1.36	\$ 1.15	\$ 1.44	\$ 1.17
Sablefish	Whole Fish	\$ 0.56	\$ 0.7	\$ 0.54	\$ 0.54	\$ 0.41	\$ 0.45	\$ 0.49	\$ 0.73	\$ 0.57	\$ 0.73
	Head And Gut	\$ 1.92	\$ 1.68	\$ 1.21	\$ 0.92	\$ 1.4	\$ 1.01	\$ 1.56	\$ 1.31	\$ 1.41	\$ 1.18
	Salted/Split Roe	\$ -	\$ 1.43	\$ -	\$ 1.19	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *
	Fillets	\$ 1.27	\$ 1.39	\$ 0.64	\$ 0.72	\$ 0.58	\$ 0.6	\$ 0.76	\$ 0.7	\$ 0.81	\$ 0.84
	Other Products	\$ 3.71	\$ 3.99	\$ 2.9	\$ 2.63	\$ 2.41	\$ 2.67	\$ 2.43	\$ 3.08	\$ 2.49	\$ 2.98
	All Products	\$ 0.8	\$ 0.79	\$ 0.82	\$ 0.82	\$ 1.03	\$ 0.77	\$ 1.25	\$ 0.89	\$ 0.9	\$ 0.78
	Head And Gut	\$ 1.86	\$ 1.89	\$ 1.19	\$ 1.43	\$ 1.38	\$ 1.38	\$ 1.54	\$ 1.65	\$ 1.38	\$ 1.51
	Other Products	\$ 5.16	\$ 5.71	\$ 5.4	\$ 5.91	\$ 6.4	\$ 7.19	\$ 7.85	\$ 9.38	\$ 5.32	\$ 7.09
	All Products	\$ 1.58	\$ 4.09	\$ 1.27	\$ 5.13	\$ 1.94	\$ 5.51	\$ 1.2	\$ 6.06	\$ 1.29	\$ 2.58

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Table 26: Continued

Product	2008		2009		2010		2011		2012	
	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside
Deep-Water Flatfish	Whole Fish	\$ *	\$ *	\$ -	\$ 0.47	\$ -	\$ 0.4	\$ -	\$ 0.42	\$ *      \$ *
	Head And Gut	\$ *	\$ 0.59	\$ *	\$ *	\$ -	\$ 0.53	\$ -	\$ 0.62	\$ 0.9      \$ 0.64
	Kirimi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ *	\$ -      \$ -
	Fillets	\$ -	\$ 2.19	\$ -	\$ 2.03	\$ -	\$ 1.51	\$ -	\$ 2.01	\$ -      \$ *
	Other Products	\$ -	\$ -	\$ -	\$ *	\$ -	\$ -	\$ *	\$ -	\$ -      \$ -
Shallow- Water Flatfish	All Products	\$ *	\$ 0.72	\$ *	\$ 1.12	\$ -	\$ 0.63	\$ *	\$ 0.58	\$ 0.9      \$ 0.64
	Whole Fish	\$ *	\$ 0.57	\$ *	\$ 0.39	\$ *	\$ 0.51	\$ *	\$ 0.63	\$ *      \$ 0.63
	Head And Gut	\$ 0.64	\$ 0.6	\$ 0.51	\$ 0.78	\$ 0.63	\$ 0.56	\$ 0.64	\$ 0.68	\$ 0.77      \$ 0.7
	Kirimi	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -      \$ *
	Fillets	\$ -	\$ 2.54	\$ -	\$ 2.72	\$ -	\$ 1.58	\$ -	\$ 2.06	\$ -      \$ 2.15
	All Products	\$ 0.64	\$ 1.05	\$ 0.51	\$ 0.98	\$ 0.63	\$ 0.66	\$ 0.64	\$ 0.78	\$ 0.77      \$ 0.82
Arrowtooth	Whole Fish	\$ *	\$ 0.62	\$ *	\$ 0.81	\$ *	\$ 0.41	\$ -	\$ 0.65	\$ *      \$ 0.47
	Head And Gut	\$ 0.61	\$ 0.48	\$ 0.47	\$ 0.45	\$ 0.47	\$ 0.37	\$ 0.69	\$ 0.54	\$ 0.81      \$ 0.57
	Kirimi	\$ *	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -      \$ *
	Fillets	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ *	\$ *	\$ -      \$ *
	Other Products	\$ 0.74	\$ 0.05	\$ 0.58	\$ 0.37	\$ 0.82	\$ 0.71	\$ 0.77	\$ 0.85	\$ 0.75      \$ 0.46
	All Products	\$ 0.61	\$ 0.46	\$ 0.47	\$ 0.45	\$ 0.47	\$ 0.48	\$ 0.69	\$ 0.57	\$ 0.81      \$ 0.56
Flathead Sole	Whole Fish	\$ 0.45	\$ 0.49	\$ 0.4	\$ 0.39	\$ 0.46	\$ 0.49	\$ 0.59	\$ 0.53	\$ 0.76      \$ 0.62
	Head And Gut	\$ 0.79	\$ 0.55	\$ 0.61	\$ 0.66	\$ 0.7	\$ 0.55	\$ 0.89	\$ 0.53	\$ 0.93      \$ 0.61
	Kirimi	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -      \$ *
	Fillets	\$ *	\$ 2.07	\$ -	\$ 2.45	\$ -	\$ 1.9	\$ *	\$ 2.15	\$ *      \$ 2
	Other Products	\$ 0.7	\$ 0.06	\$ 0.56	\$ 0.37	\$ 0.88	\$ 0.56	\$ 0.82	\$ 0.73	\$ 0.75      \$ 0.37
	All Products	\$ 0.79	\$ 0.54	\$ 0.6	\$ 0.53	\$ 0.69	\$ 0.56	\$ 0.89	\$ 0.6	\$ 0.91      \$ 0.59

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Table 26: Continued

	Product	2008		2009		2010		2011		2012	
		At-sea	Shoreside								
Rex Sole	Whole Fish	\$ 1	\$ 0.91	\$ 0.86	\$ 0.9	\$ 0.91	\$ 0.91	\$ 1.12	\$ 1.02	\$ 1.17	\$ 1.12
	Head And Gut	\$ *	\$ 0.61	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *
	Kirimi	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ *
	Fillets	\$ -	\$ 1.76	\$ -	\$ *	\$ -	\$ *	\$ -	\$ 1.83	\$ -	\$ *
	Other Products	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ 0.74	\$ -	\$ *
	All Products	\$ 1	\$ 0.97	\$ 0.86	\$ 0.9	\$ 0.91	\$ 0.91	\$ 1.12	\$ 1.03	\$ 1.17	\$ 1.12
Rock Sole	Whole Fish	\$ 0.41	\$ *	\$ 0.38	\$ *	\$ 0.35	\$ 0.43	\$ 0.53	\$ *	\$ 0.66	\$ *
	Head And Gut	\$ 0.62	\$ -	\$ 0.51	\$ -	\$ 0.56	\$ -	\$ 0.69	\$ -	\$ 0.8	\$ -
	Head And Gut With Roe	\$ 1.23	\$ -	\$ 0.89	\$ -	\$ 0.84	\$ -	\$ 1.05	\$ -	\$ 1.28	\$ -
	Fillets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ *	\$ -	\$ -	\$ -
	Other Products	\$ 0.7	\$ 0.05	\$ 0.59	\$ 0.37	\$ 0.87	\$ 0.56	\$ 0.84	\$ 0.74	\$ 0.71	\$ 0.37
	All Products	\$ 0.77	\$ 0.05	\$ 0.61	\$ 0.37	\$ 0.61	\$ 0.55	\$ 0.77	\$ 0.74	\$ 0.91	\$ 0.37
Turbot	Whole Fish	\$ *	\$ -	\$ *	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Head And Gut	\$ 1.44	\$ *	\$ 1.4	\$ -	\$ 1.8	\$ -	\$ 2.64	\$ *	\$ 2.09	\$ -
	Other Products	\$ 1.54	\$ 0.05	\$ 1.5	\$ 0.37	\$ 1.6	\$ 0.56	\$ 1.89	\$ 0.7	\$ 1.59	\$ 0.37
	All Products	\$ 1.46	\$ 0.05	\$ 1.43	\$ 0.37	\$ 1.74	\$ 0.56	\$ 2.44	\$ 0.68	\$ 1.96	\$ 0.37
Yellow Fin	Whole Fish	\$ 0.51	\$ *	\$ 0.48	\$ *	\$ 0.41	\$ -	\$ 0.55	\$ -	\$ 0.63	\$ *
	Head And Gut	\$ 0.61	\$ -	\$ 0.5	\$ -	\$ 0.54	\$ -	\$ 0.65	\$ -	\$ 0.63	\$ -
	Kirimi	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ *	\$ -	\$ -	\$ -
	Fillets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ *	\$ -
	Other Products	\$ 0.7	\$ 0.05	\$ 0.7	\$ 0.37	\$ 0.96	\$ 0.96	\$ 0.85	\$ 0.85	\$ 0.87	\$ 0.88
	All Products	\$ 0.59	\$ 0.05	\$ 0.5	\$ 0.37	\$ 0.52	\$ 0.96	\$ 0.63	\$ 0.85	\$ 0.63	\$ 0.88

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Table 26: Continued

Product	2008		2009		2010		2011		2012		
	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	
Flat Other Fillets	Whole Fish	\$ 1.05	\$ *	\$ 0.99	\$ 0.7	\$ 0.86	\$ *	\$ 1.05	\$ 1.4	\$ 0.81	\$ *
	Head And Gut	\$ 0.43	\$ *	\$ 0.44	\$ -	\$ 0.46	\$ *	\$ 0.51	\$ *	\$ 0.58	\$ -
	Other Products	\$ -	\$ *	\$ -	\$ -	\$ -	\$ -	\$ *	\$ -	\$ -	\$ -
	All Products	\$ 0.55	\$ 0.05	\$ 0.55	\$ 0.53	\$ 0.52	\$ 0.56	\$ 0.56	\$ 1.34	\$ 0.64	\$ 0.37
Rockfish	Whole Fish	\$ 1.57	\$ 0.82	\$ 1.1	\$ 0.77	\$ 1.26	\$ 0.74	\$ 1.49	\$ 0.94	\$ 0.96	\$ 0.98
	Head And Gut	\$ 0.83	\$ 1.11	\$ 0.85	\$ 1.14	\$ 1.11	\$ 1.32	\$ 1.7	\$ 1.74	\$ 1.4	\$ 1.75
	Other Products	\$ 1.12	\$ 1.47	\$ 1.07	\$ 2.27	\$ 1.09	\$ 1.83	\$ 1.24	\$ 2.76	\$ 1.19	\$ 3.48
	All Products	\$ 0.85	\$ 1.09	\$ 0.86	\$ 1.13	\$ 1.12	\$ 1.11	\$ 1.69	\$ 1.42	\$ 1.38	\$ 1.67
Atka Mackerel	Whole Fish	\$ 0.32	\$ -	\$ 0.41	\$ *	\$ 0.37	\$ *	\$ 0.45	\$ 0.54	\$ 0.62	\$ 0.7
	Head And Gut	\$ 0.71	\$ -	\$ 0.78	\$ -	\$ 0.87	\$ -	\$ 1.15	\$ *	\$ 1.24	\$ -
	Other Products	\$ 0.05	\$ 0.05	\$ 0.45	\$ 0.16	\$ 0.56	\$ 0.56	\$ 0.64	\$ 0.47	\$ 0.73	\$ 0.36
	All Products	\$ 0.68	\$ 0.05	\$ 0.75	\$ 0.16	\$ 0.84	\$ 0.56	\$ 1.04	\$ 0.54	\$ 1.13	\$ 0.66

**Notes:** These estimates are based on data from both federal and state of Alaska fisheries. Prices based on confidential data have been excluded.

**Source:** Weekly production reports and Commercial Operators Annual Reports (COAR) (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 27: Total product value per round metric ton of retained catch in the groundfish fisheries off Alaska by processor type, species, area and year, 2006-10, 2008 - 2012 (dollars)

	Species	Bering Sea & Aleutian Islands					Gulf of Alaska				
		2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Motherships	Pollock	1354	1034	-	1219	1153	-	-	-	-	-
	Pacific Cod	1389	666	-	404	950	-	-	-	-	-
Catcher processors	Pollock	1442	1330	1321	1196	1206	649	614	661	882	668
	Sablefish	6911	7583	8676	10176	7855	6934	7264	8727	11318	6793
	Pacific Cod	2033	1246	1494	1688	1506	2059	1289	1425	1622	1479
	Flatfish	775	703	745	915	1002	998	1190	1063	992	1084
	Rockfish	963	959	1308	1967	1572	964	963	1300	2058	1568
	Atka	851	949	1131	1484	1581	919	1090	1135	1694	1855
	Mackerel	Other	404	278	460	483	680	1295	1048	1082	1592
Shoreside processors	Pollock	1254	1279	1256	1047	1089	973	852	882	920	865
	Sablefish	5514	5786	12133	11392	9208	7451	7994	9387	12221	8850
	Pacific Cod	2109	1137	1458	1682	1632	1971	1414	1334	1573	1465
	Flatfish	228	239	541	815	741	408	324	346	513	549
	Rockfish	350	893	1641	1745	1668	1146	1227	1330	1879	1840
	Other	297	195	708	424	888	5752	3773	2762	2836	3464

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries. A dash indicates that data were not available or were withheld to preserve confidentiality.

**Source:** Weekly processor reports, commercial operators annual report (COAR), and NMFS Alaska Region catch accounting system estimates of retained catch (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 28: Production of groundfish products in the fisheries off Alaska by species, product and area, 2008 - 2012 (1,000 metric tons product weight)

	Product	Bering Sea & Aleutian Islands					Gulf of Alaska				
		2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Pollock	Whole Fish	1	1.4	0.7	1.5	1.7	0.7	0.7	0.5	0.5	0.5
	Head And Gut	18.6	51.3	49.2	44.8	29.1	5.7	6	11.6	14.8	19
	Roe	19.7	17.9	15.3	18	16.5	1.1	0.6	1.1	1.3	1.7
	Deep-Skin Fillets	42.4	41.3	40.3	46.2	55.5	-	*	*	*	*
	Other Fillets	77.3	74	66.5	115	91.1	2.3	2.6	4.7	5.7	5.9
	Surimi	121.3	84.6	97.1	141	157.1	4.4	2.5	6.5	7.1	9.9
	Minced Fish	20.4	22.1	21.6	30.4	31	*	*	*	0.5	0.6
	Fish Meal	43.9	34.9	38.3	52.8	52.5	*	*	*	0.1	*
Sablefish	Other Products	19	22.6	25.4	33.3	38.2	0.4	0.4	0.8	0.6	0.6
	Head And Gut	1	1	1.2	1	1.2	6.4	5.8	5.5	5.9	6.3
Pacific Cod	Other Products	0	0	0	0	0.1	1	0.6	0.4	0.8	0.6
	Whole Fish	1.4	2.7	0.9	1.2	1.5	1.9	1.9	2.1	1.3	1.8
	Head And Gut	69.9	65.2	66.4	88.8	104.2	12.1	7.1	13.9	17.3	15.4
	Salted/Split	1.1	*	*	*	*	0.5	0	*	*	-
	Roe	2.6	2.2	3.9	1.8	2.4	1.2	0.7	1.2	1.3	1.5
	Fillets	3.6	4.7	5.6	6.6	6.8	5.9	6.7	9.2	9.2	9.1
Flatfish	Other Products	5.7	5	7	9	7.9	4.8	3.9	5.2	6	6.3
	Whole Fish	14	12.5	14.9	17.4	22.5	3	4.8	3.6	3.1	2.5
	Head And Gut	109	95.6	114.2	130.1	133.8	8.1	5.5	5.2	11.3	7.8
	Kirimi	*	*	*	*	-	*	*	*	*	*
	Fillets	*	-	-	*	*	0.1	0	0	0	0
	Fish Meal	-	-	-	0	0	-	-	-	-	-
Rockfish	Other Products	2.3	4	3.4	3.1	3.1	0	*	0.9	0.3	0.1
	Whole Fish	0.2	0.2	0.2	0.7	1.3	1.6	2.1	3.2	3	1.9
	Head And Gut	9.4	8	10.9	13.4	12.3	8.4	8.1	9.3	8.9	10.4
Atka Mackerel	Other Products	0	0	0	0	0.1	0.8	0.5	0.5	0.4	0.6
	Whole Fish	2.9	3.7	2.2	5.3	5.6	-	*	-	-	*
	Head And Gut	29.6	36.8	37.3	26.9	24.2	0.4	0.6	0.5	0.5	0.4
	Other Products	0	0	0	0	0	*	-	*	-	*

**Notes:** These estimates include production resulting from catch from federal and state of Alaska fisheries. A dash indicates that data were not available or were withheld to preserve confidentiality. Confidential data withheld from this table are included in the grand totals in Table 25.

**Source:** Weekly processor reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 29: Production of groundfish products in the fisheries off Alaska by species, product and processing mode, 2008 - 2012 (1,000 metric tons product weight)

	Product	At-sea					Shoreside				
		2008	2009	2010	2011	2012	2008	2009	2010	2011	2012
Pollock	Whole Fish	0.09	0.7	0.04	0.11	0.24	1.61	1.35	1.2	1.9	1.95
	Head And Gut	17.42	23.81	19.8	38.83	26.05	6.88	33.46	41.01	20.77	22.1
	Roe	11.65	9.3	7.64	11.66	9.3	9.14	9.2	8.81	7.63	8.86
	Deep-Skin Fillets	27.32	26.65	27.51	32.25	36.84	15.07	14.63	12.78	13.94	18.65
	Other Fillets	40.68	37.75	31.29	58.32	47.55	38.99	38.82	39.88	62.4	49.41
	Surimi	64.93	44.03	52.78	70.8	77.93	60.77	43.08	50.81	77.27	89.11
	Minced Fish	14.8	19.34	17.75	23.49	25.06	5.56	2.76	3.83	7.5	6.53
Sablefish	Fish Meal	15.35	12.3	14.64	22.58	21.08	28.54	22.6	23.67	30.34	31.44
	Other Products	4.3	8.59	10.63	12.26	10.57	15.15	14.32	15.62	21.71	28.22
Pacific Cod	Head And Gut	1.4	1.27	1.03	1.03	1.08	5.92	5.52	5.67	5.83	6.44
	Other Products	0.07	0.07	0.09	0.16	0.08	0.92	0.61	0.4	0.65	0.55
	Whole Fish	1.14	2.76	0.84	0.63	1.28	2.14	1.82	2.17	1.84	1.99
	Head And Gut	59.41	62.23	61.53	78.5	86.91	22.59	10.05	18.79	27.57	32.69
	Salted/Split	-	-	-	-	-	1.58	0.02	*	*	*
	Roe	1.15	0.89	0.57	0.46	0.62	2.66	2.09	4.48	2.71	3.24
	Fillets	0.72	0.96	0.85	0.71	0.32	8.75	10.52	13.95	15.08	15.52
Flatfish	Other Products	2.13	2.04	3.02	4.62	3.11	8.38	6.92	9.26	10.44	11.06
	Whole Fish	16.01	15.59	17.32	18.86	23.86	0.98	1.67	1.19	1.62	1.2
	Head And Gut	112.28	97.07	116.5	136.15	138.21	4.83	4.06	2.88	5.21	3.35
	Kirimi	*	*	*	*	-	*	*	*	*	*
	Fillets	*	-	-	*	*	0.12	0.04	0.02	0.03	0.02
	Fish Meal	-	-	-	0	0	-	-	-	-	*
Rockfish	Other Products	1.66	2.3	2.45	2.46	2.23	0.66	1.69	1.83	1	0.89
	Whole Fish	0.38	0.63	1.01	0.82	1.17	1.36	1.65	2.43	2.78	2.07
	Head And Gut	15.49	14.05	17.54	19.73	19.42	2.31	2.08	2.63	2.59	3.23
Atka Mackerel	Other Products	0.01	0.01	0.02	0.06	0.03	0.81	0.49	0.52	0.37	0.66
	Whole Fish	2.89	3.66	2.15	5.07	5.43	-	*	*	0.25	0.2
	Head And Gut	30.04	37.34	37.84	27.41	24.51	-	-	*	-	-
	Other Products	0	0	0	0	0	0	0	0	0	0.03

**Notes:** These estimates include production resulting from catch from federal and state of Alaska fisheries. A dash indicates that data were not available or were withheld to preserve confidentiality. Confidential data withheld from this table are included in the grand totals in Table 25.

**Source:** Weekly processor reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 30: Production and real gross value of non-groundfish products in the commercial fisheries of Alaska by species group and area of processing, 2008 - 2012 (1,000 metric tons product weight and \$ millions, base year = 2012 )

Species	Bering Sea & Aleutian Islands		Gulf of Alaska		All Alaska		
	Quantity	Value	Quantity	Value	Quantity	Value	
2008	Salmon	54.8	\$ 355.5	153.6	\$ 848.1	208.4	\$ 1203.5
	Halibut	2.9	\$ 37.8	16.2	\$ 224.5	19.1	\$ 262.3
	Herring	16.8	\$ 22.1	17.5	\$ 38.7	34.3	\$ 60.7
	Crab	20	\$ 284.7	4.7	\$ 66.1	24.8	\$ 350.8
	Other	*	\$ *	2.8	\$ 18.8	2.8	\$ 18.8
	All Species	94.5	\$ 700	194.8	\$ 1196.1	289.4	\$ 1896.1
2009	Salmon	58.1	\$ 391.1	152	\$ 754.5	210.1	\$ 1145.6
	Halibut	2.7	\$ 27.8	16.1	\$ 179.6	18.8	\$ 207.4
	Herring	18.5	\$ 26.7	17.1	\$ 39.2	35.6	\$ 65.9
	Crab	20.6	\$ 244.2	5.2	\$ 60.4	25.9	\$ 304.7
	Other	*	\$ *	1.4	\$ 21.4	1.4	\$ 21.4
	All Species	99.9	\$ 689.8	191.9	\$ 1055.1	291.8	\$ 1744.9
2010	Salmon	63.3	\$ 474.7	187.1	\$ 955.9	250.4	\$ 1430.6
	Halibut	2.5	\$ 45.7	13.5	\$ 201.4	16	\$ 247.1
	Herring	24.9	\$ 28.1	22.2	\$ 34.7	47.2	\$ 62.8
	Crab	18.6	\$ 249.5	4.2	\$ 59.1	22.9	\$ 308.6
	Other	0.2	\$ 1.2	1.5	\$ 26.8	1.8	\$ 28
	All Species	109.5	\$ 799.2	228.6	\$ 1278	338.1	\$ 2077.2
2011	Salmon	48.6	\$ 400.8	198.7	\$ 1038.4	247.3	\$ 1439.2
	Halibut	2.8	\$ 53.6	8.2	\$ 140.8	11	\$ 194.4
	Herring	20.4	\$ 21.3	21	\$ 22.1	41.4	\$ 43.4
	Crab	19.5	\$ 321.5	4.6	\$ 74.9	24.1	\$ 396.4
	Other	*	\$ *	1.3	\$ 22.7	1.3	\$ 22.7
	All Species	91.3	\$ 797.3	233.8	\$ 1298.8	325.1	\$ 2096.1
2012	Salmon	39.8	\$ 323.1	168.3	\$ 964.7	208.1	\$ 1287.8
	Halibut	2	\$ 33.6	8.5	\$ 129.1	10.5	\$ 162.7
	Herring	12.9	\$ 16.8	15.4	\$ 29.3	28.3	\$ 46.1
	Crab	29	\$ 366.2	4.5	\$ 66.9	33.5	\$ 433.1
	Other	0	\$ 0	1.7	\$ 32.6	1.7	\$ 33.3
	All Species	83.6	\$ 740.3	198.5	\$ 1222.6	282.1	\$ 1963

**Notes:** These estimates include production resulting from catch in both federal and state of Alaska fisheries. The data have been adjusted to 2012 dollars by applying the Producer Price Index for unprocessed and packaged fish (series number WPU0223) from the Bureau of Labor Statistics at:  
<http://data.bls.gov/cgi-bin/srgate>.

**Source:** ADF&G Commercial Operators Annual Report (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 31: Gross product value of Alaska groundfish by area and processing mode, 1992 - 2012 (\$ millions)

Year	Bering Sea & Aleutian Islands		Gulf of Alaska		All Alaska
	At-sea	Shoreside	At-sea	Shoreside	All Sectors
1992	844.4	329.4	71.1	186.7	1431.5
1993	585.1	195.5	45.7	170.3	996.6
1994	640.1	267.2	37.1	186	1130.4
1995	784.7	349.3	46	212.1	1392.1
1996	706	296.1	48.5	181.1	1231.7
1997	706.3	293.2	30.2	200.9	1230.5
1998	599.4	258.3	28.3	184.4	1070.4
1999	639	325.3	43	209.5	1216.7
2000	691.9	416.1	41.5	209.5	1359
2001	877.6	464.5	31	167.1	1540.1
2002	810.3	477.5	36.5	157.6	1482
2003	850.5	520.8	39.4	148.1	1558.9
2004	955	519	32.6	167.6	1674.2
2005	1128.4	625.9	36.6	211.9	2002.8
2006	1174.7	610.2	48.3	221.3	2054.5
2007	1204.7	614.8	46.2	226.4	2092.1
2008	1298.2	641	47.3	253.6	2240.2
2009	978.4	498.3	41.1	194.1	1711.8
2010	1064.9	518.7	50.3	262.4	1896.3
2011	1451.7	656.1	69	339.2	2515.9
2012	1470.3	699.4	51.8	322.4	2543.9

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries.

**Source:** NMFS weekly production reports and ADFG Commercial Operators Annual Reports (COAR) (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 32: Gross product value of Alaska groundfish by catcher/processor category, vessel length, and area, 2007 - 2012 (\$ millions)

	Year	Bering Sea & Aleutian Islands			Gulf of Alaska	
		125-165	<125	>165	<125	>=125
Fixed Gear	2007	91.3	44.5	57	13.1	8
	2008	102.2	58.7	60.5	10	11
	2009	75.4	40.7	37.7	8.7	7.1
	2010	80.3	44.1	44.9	7.5	11.4
	2011	117.7	58.3	62.3	11.7	11.8
	2012	111.8	64.9	57.5	6.9	6.2
Fillet Trawl	2007	-	-	*	-	-
	2008	-	-	*	-	-
	2009	-	-	56.8	-	-
	2010	-	-	*	-	-
	2011	-	-	76.8	-	-
	2007	37.9	39.1	178.2	7.9	16.8
Head And Gut Trawl	2008	45.2	40.3	193.7	9.4	16.3
	2009	38.7	28	173.8	9.1	16.2
	2010	48.9	33.7	207.9	7.6	23.8
	2011	64.4	47.9	288.5	8.4	37.1
	2012	74.2	48.4	306.4	9.5	28.4
	2007	-	-	633.7	-	-
Surimi Trawl	2008	-	-	625.7	-	-
	2009	-	-	442.3	-	-
	2010	-	-	479.5	-	-
	2011	-	-	601.4	-	-
	2012	-	-	685.5	-	-
	2007	37.9	39.1	811.9	7.9	16.8
All Trawl	2008	45.2	40.3	819.4	9.4	16.3
	2009	38.7	28	672.8	9.1	16.2
	2010	48.9	33.7	687.4	7.6	23.8
	2011	64.4	47.9	966.7	8.4	37.1
	2012	74.2	48.4	991.9	9.5	28.4

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries.

**Source:** NMFS weekly production reports, Commercial Operators Annual Reports (COAR), and NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 33: Gross product value per vessel of Alaska groundfish by catcher/processor category, vessel length, and area 2007 - 2012 (\$ millions)

	Year	Bering Sea & Aleutian Islands			Gulf of Alaska	
		125-165	<125	>165	<125	>=125
Fixed Gear	2007	5.1	3.7	5.2	1.2	0.7
	2008	5.7	3.9	5.5	0.9	0.8
	2009	4.2	3.1	3.4	0.9	0.5
	2010	4.7	2.9	4.5	0.8	1
	2011	7.8	4.2	7.8	1.5	1.1
	2012	7.5	5	6.4	1	0.8
Fillet Trawl	2007	-	-	*	-	-
	2008	-	-	*	-	-
	2009	-	-	18.9	-	-
	2010	-	-	*	-	-
	2011	-	-	25.6	-	-
Head And Gut Trawl	2007	9.5	6.5	14.9	2	1.5
	2008	11.3	6.7	16.1	2.4	1.6
	2009	9.7	4.7	15.8	1.8	1.2
	2010	12.2	6.7	18.9	2.5	1.7
	2011	16.1	9.6	24	2.1	2.9
	2012	18.6	9.7	23.6	2.4	2.2
Surimi Trawl	2007	-	-	39.6	-	-
	2008	-	-	41.7	-	-
	2009	-	-	36.9	-	-
	2010	-	-	36.9	-	-
	2011	-	-	50.1	-	-
	2012	-	-	49	-	-
All Trawl	2007	9.5	6.5	28	2	1.5
	2008	11.3	6.7	28.3	2.4	1.6
	2009	9.7	4.7	25.9	1.8	1.2
	2010	12.2	6.7	26.4	2.5	1.7
	2011	16.1	9.6	35.8	2.1	2.9
	2012	18.6	9.7	36.7	2.4	2.2

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries.

**Source:** NMFS weekly production reports, Commercial Operators Annual Reports (COAR), and NMFS permits. National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 34: Gross product value of groundfish processed by shoreside processors by processor group, 2007 - 2012 (\$ millions)

Region	2007	2008	2009	2010	2011	2012
Bering Sea Pollock	561.1	650.3	453.1	510.1	675.8	699.4
AK Peninsula/Aleutians	69.1	53.7	20.6	20.5	44.2	61.1
Kodiak	118	131.1	90	128.5	161.7	168.5
South Central	33.6	37.8	31.7	36.2	58.3	48.5
Southeastern	37.2	44.3	33.1	41.5	51.2	51
All Regions	819	917.2	628.5	736.9	991.1	1028.6

Table 35: Groundfish gross product value as a percentage of all-species gross product value by shoreside processor group, 2007 - 2012 (percent)

Region	2007	2008	2009	2010	2011	2012
Bering Sea Pollock	73.9	74.2	69.4	72.8	72.8	75.7
AK Peninsula/Aleutians	17.7	14	5.7	4.5	8.8	11.9
Kodiak	40.9	45.4	34.5	42.9	46.4	46
South Central	9.5	10.2	12.2	7.2	13.8	10.2
Southeastern	9.1	10.6	8.8	8.8	8.3	9.8
All Regions	37.2	39.2	32.9	30.3	35.2	36.8

**Notes:** The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: "Bering Sea Pollock" are the AFA inshore pollock processors including the two AFA floating processors. "AK Peninsula/Aleutian" are other processors on the Alaska Peninsula or in the Aleutian Islands. "Kodiak" are processors on Kodiak Island. "South Central" are processors west of Yakutat and on the Kenai Peninsula. "Southeastern" are processors located from Yakutat south.

**Source:** ADFG Commercial Operators Annual Report, ADFG intent to process (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

#### 4.4. Small Entity Effort and Revenue Data Tables

4.4.1 *Small vessel data tables: entity status determined at the vessel level.*

Table 36A: Number of groundfish vessels that caught or caught and processed more than \$4.0 million ex-vessel value or product value of groundfish and other species by area, vessel type and gear, 2008 - 2012

Gear	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels
2008	Hook & Line	-	18	18	-	33	33	-	33
	Pot	4	1	5	4	3	7	5	4
	Trawl	1	13	14	20	38	58	20	39
	All Gear	5	32	37	24	73	97	25	74
2009	Hook & Line	-	16	16	-	26	26	-	26
	Pot	-	1	1	-	1	1	-	2
	Trawl	-	16	16	6	34	40	6	35
	All Gear	-	33	33	6	61	67	6	62
2010	Hook & Line	-	13	13	-	25	25	-	25
	Pot	1	-	1	2	3	5	2	3
	Trawl	-	16	16	3	34	37	3	35
	All Gear	1	29	30	5	60	65	5	61
2011	Hook & Line	-	14	14	-	27	27	-	27
	Pot	2	1	3	6	2	8	6	2
	Trawl	2	15	17	17	34	51	17	35
	All Gear	4	30	34	23	62	85	23	63
2012	Hook & Line	-	11	11	1	28	29	1	28
	Pot	2	-	2	5	1	6	6	1
	Trawl	1	16	17	11	35	46	11	35
	All Gear	3	27	30	16	64	80	17	64

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel was above the \$4.0 million threshold was based on total revenue from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, Commercial Operators Annual Report (COAR), ADFG intent-to-operate listings. National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 37A: Number of groundfish vessels that caught or caught and processed less than \$4.0 million ex-vessel value or product value of groundfish and other species by area, vessel type and gear, 2008 - 2012

Gear	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska			
	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	
2008	Hook & Line	609	4	613	46	8	54	632	9	641
	Pot	139	-	139	61	4	65	178	4	182
	Trawl	72	1	73	89	2	91	130	2	132
	All Gear	785	5	790	190	12	202	898	13	911
2009	Hook & Line	609	6	615	39	15	54	626	17	643
	Pot	122	1	123	51	3	54	158	3	161
	Trawl	71	2	73	104	2	106	142	2	144
	All Gear	760	9	769	189	18	207	879	20	899
2010	Hook & Line	616	9	625	41	14	55	630	15	645
	Pot	110	-	110	45	4	49	139	4	143
	Trawl	67	1	68	100	1	101	138	1	139
	All Gear	761	10	771	184	18	202	874	19	893
2011	Hook & Line	692	6	698	45	9	54	710	11	721
	Pot	141	-	141	47	3	50	173	3	176
	Trawl	66	2	68	88	2	90	123	2	125
	All Gear	857	8	865	178	12	190	958	14	972
2012	Hook & Line	561	4	565	30	6	36	575	10	585
	Pot	122	1	123	47	4	51	157	4	161
	Trawl	69	1	70	99	1	100	134	2	136
	All Gear	713	6	719	172	9	181	822	14	836

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel was below the \$4.0 million threshold was based on total revenue from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, Commercial Operators Annual Report (COAR), ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 38A: Average revenue of groundfish vessels that caught or caught and processed more than \$4.0 million ex-vessel value or product value of groundfish and other species, by area, vessel type, and gear, 2008 - 2012 (\$ millions)

Gear	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors
2008	Hook & Line	-	7.36	-	6.97	-
	Pot	4.4	*	4.41	*	4.4
	Trawl	*	15.83	5.43	26.44	5.43
2009	Hook & Line	-	5.36	-	5.26	-
	Pot	-	*	-	*	-
	Trawl	-	14.03	5.43	22.43	5.43
2010	Hook & Line	-	6.15	-	6.35	-
	Pot	*	-	*	*	*
	Trawl	-	17.9	*	25.17	*
2011	Hook & Line	-	9.18	-	9.42	-
	Pot	*	*	5.04	*	5.04
	Trawl	*	23.57	5.58	34.02	5.58
2012	Hook & Line	-	8.38	*	8.36	*
	Pot	*	-	4.66	*	4.66
	Trawl	*	23.83	5.17	33.67	5.17

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Categories with fewer than four vessels are not reported. Averages are obtained by adding the total revenues, across all areas and gear types, of all the vessels in the category, and dividing that sum by the number of vessels in the category. Averages include revenue realized from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, commercial operators annual report (COAR), ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 39A: Average revenue of groundfish vessels that caught or caught and processed less than \$4.0 million ex-vessel value or product value of groundfish and other species, by area, vessel type and gear, 2008 - 2012 (\$ millions)

Gear	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska		
	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors	
2008	Hook & Line	0.46	1.51	0.59	2.31	0.46	2.29
	Pot	0.85	-	1.76	1.8	1.07	1.8
	Trawl	1.59	*	2.34	*	2.04	*
2009	Hook & Line	0.36	2.5	0.6	2.5	0.36	2.39
	Pot	0.58	*	1.41	*	0.79	*
	Trawl	1.02	*	1.76	*	1.52	*
2010	Hook & Line	0.46	1.98	0.88	2.31	0.47	2.16
	Pot	0.76	-	1.93	2.7	1.04	2.7
	Trawl	1.31	*	1.9	*	1.68	*
2011	Hook & Line	0.51	1.52	0.91	2.05	0.52	1.78
	Pot	0.92	-	2.25	*	1.19	*
	Trawl	1.65	*	2.45	*	2.17	*
2012	Hook & Line	0.48	1.28	0.87	2.12	0.48	1.78
	Pot	0.75	*	1.9	2.23	1.03	2.23
	Trawl	1.63	*	2.28	*	2.04	*

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Categories with fewer than four vessels are not reported. Averages are obtained by adding the total revenues, across all areas and gear types, of all the vessels in the category, and dividing that sum by the number of vessels in the category. Averages include revenue realized from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, commercial operators annual report (COAR), ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

*4.4.2 Small vessel group data tables: small entity status determined at the vessel group (e.g. coop) level.*

Table 36B: Number of groundfish vessels that caught or caught and processed more than \$4.0 million ex-vessel value or product value of groundfish and other species by area, vessel type and gear, 2008 - 2012

Gear	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska			
	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	
2008	Hook & Line	1	18	19	1	33	34	2	33	35
	Pot	13	1	14	33	3	36	37	4	41
	Trawl	39	13	52	91	38	129	107	39	146
	All Gear	53	32	85	124	73	197	145	74	219
2009	Hook & Line	1	16	17	1	26	27	2	26	28
	Pot	7	1	8	26	1	27	28	2	30
	Trawl	35	17	52	91	35	126	103	36	139
	All Gear	42	34	76	116	62	178	130	63	193
2010	Hook & Line	-	19	19	-	36	36	-	36	36
	Pot	9	-	9	27	4	31	30	4	34
	Trawl	38	16	54	87	34	121	103	35	138
	All Gear	47	35	82	114	71	185	133	72	205
2011	Hook & Line	2	15	17	-	32	32	2	32	34
	Pot	9	1	10	31	4	35	34	4	38
	Trawl	39	17	56	94	36	130	104	37	141
	All Gear	48	33	81	125	69	194	138	70	208
2012	Hook & Line	-	11	11	1	31	32	1	31	32
	Pot	9	1	10	29	2	31	34	2	36
	Trawl	41	16	57	89	36	125	104	36	140
	All Gear	50	28	78	118	68	186	138	68	206

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel was above the \$4.0 million threshold was based on total revenue from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, Commercial Operators Annual Report (COAR), ADFG intent-to-operate listings. National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 37B: Number of groundfish vessels that caught or caught and processed less than \$4.0 million ex-vessel value or product value of groundfish and other species by area, vessel type and gear, 2008 - 2012

Gear	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska			
	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	Catcher Vessels	Catcher Processors	All Vessels	
2008	Hook & Line	608	4	612	45	8	53	630	9	639
	Pot	130	-	130	32	4	36	146	4	150
	Trawl	34	1	35	18	2	20	43	2	45
	All Gear	737	5	742	90	12	102	778	13	791
2009	Hook & Line	608	6	614	38	15	53	624	17	641
	Pot	115	1	116	25	3	28	130	3	133
	Trawl	36	1	37	19	1	20	45	1	46
	All Gear	718	8	726	79	17	96	755	19	774
2010	Hook & Line	616	3	619	41	3	44	630	4	634
	Pot	102	-	102	20	3	23	111	3	114
	Trawl	29	1	30	16	1	17	38	1	39
	All Gear	715	4	719	75	7	82	746	8	754
2011	Hook & Line	690	5	695	45	4	49	708	6	714
	Pot	134	-	134	22	1	23	145	1	146
	Trawl	29	-	29	11	-	11	36	-	36
	All Gear	813	5	818	76	5	81	843	7	850
2012	Hook & Line	561	4	565	30	3	33	575	7	582
	Pot	115	-	115	23	3	26	129	3	132
	Trawl	29	1	30	21	-	21	41	1	42
	All Gear	666	5	671	70	5	75	701	10	711

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Determination that a vessel was below the \$4.0 million threshold was based on total revenue from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, Commercial Operators Annual Report (COAR), ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 38B: Average revenue of groundfish vessels that caught or caught and processed more than \$4.0 million ex-vessel value or product value of groundfish and other species, by area, vessel type, and gear, 2008 - 2012 (\$ millions)

Gear	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors
2008	Hook & Line	-	7.36	-	6.97	-
	Pot	4.4	*	4.41	*	4.4
	Trawl	*	15.83	5.43	26.44	5.43
2009	Hook & Line	-	5.36	-	5.26	-
	Pot	-	*	-	*	-
	Trawl	-	14.03	5.43	22.43	5.43
2010	Hook & Line	-	6.15	-	6.35	-
	Pot	*	-	*	*	*
	Trawl	-	17.9	*	25.17	*
2011	Hook & Line	-	9.18	-	9.42	-
	Pot	*	*	5.04	*	5.04
	Trawl	*	23.57	5.58	34.02	5.58
2012	Hook & Line	-	8.38	*	8.36	*
	Pot	*	-	4.66	*	4.66
	Trawl	*	23.83	5.17	33.67	5.17

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Categories with fewer than four vessels are not reported. Averages are obtained by adding the total revenues, across all areas and gear types, of all the vessels in the category, and dividing that sum by the number of vessels in the category. Averages include revenue realized from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, commercial operators annual report (COAR), ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 39B: Average revenue of groundfish vessels that caught or caught and processed less than \$4.0 million ex-vessel value or product value of groundfish and other species, by area, vessel type and gear, 2008 - 2012 (\$ millions)

Gear	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors	Catcher Vessels	Catcher Processors
2008	Hook & Line	0.46	1.51	0.56	2.31	0.45
	Pot	0.75	-	0.98	1.8	0.75
	Trawl	1.21	*	1.64	*	1.4
2009	Hook & Line	0.36	2.5	0.57	2.5	0.36
	Pot	0.52	*	0.73	*	0.53
	Trawl	0.72	*	0.97	*	0.83
2010	Hook & Line	0.46	*	0.88	*	0.47
	Pot	0.66	-	1.23	*	0.69
	Trawl	1	*	1.21	*	1.09
2011	Hook & Line	0.51	1.29	0.91	2.04	0.52
	Pot	0.87	-	1.76	*	0.92
	Trawl	1.37	-	2.03	-	1.57
2012	Hook & Line	0.48	1.28	0.87	*	0.48
	Pot	0.69	-	1.23	*	0.74
	Trawl	1.19	*	1.65	-	1.39

**Notes:** Includes only vessels that fished part of federal groundfish TACs. Categories with fewer than four vessels are not reported. Averages are obtained by adding the total revenues, across all areas and gear types, of all the vessels in the category, and dividing that sum by the number of vessels in the category. Averages include revenue realized from catching or processing all species, not just groundfish.

**Source:** CFEC fish tickets, weekly processor reports, NMFS permits, commercial operators annual report (COAR), ADFG intent-to-operate listings (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

#### 4.5. Effort (Fleet Size, Weeks of Fishing, Crew Weeks) Data Tables

Table 40B: Number and total registered net tons of vessels that caught groundfish off Alaska by area and gear, 2005 - 2012

Year	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
	Number of Vessels	Registered net tons	Number of Vessels	Registered net tons	Number of Vessels	Registered net tons
Hook & Line	2005	766	26643	96	15079	813
	2006	624	25431	87	14670	663
	2007	582	22426	74	13237	613
	2008	631	22905	87	13865	674
	2009	631	23641	80	14020	669
	2010	638	22997	80	13083	670
	2011	712	23444	81	11182	748
	2012	576	19337	65	10555	614
Pot	2005	152	9154	74	9441	203
	2006	146	9044	74	9009	200
	2007	137	8288	73	8500	187
	2008	144	8462	72	8406	191
	2009	124	7072	55	6479	163
	2010	111	6345	54	6797	148
	2011	144	7889	58	7140	184
	2012	125	6993	57	6850	168
Trawl	2005	94	14732	148	52249	191
	2006	90	13506	144	52032	190
	2007	87	12265	152	52929	189
	2008	87	13333	149	52796	191
	2009	89	14041	146	47840	185
	2010	84	13708	138	48953	177
	2011	85	13692	141	49822	177
	2012	87	13941	146	50590	182
All Gear	2005	951	46580	308	75882	1137
	2006	815	45133	293	74581	995
	2007	771	40723	297	74482	951
	2008	827	42514	299	74242	1010
	2009	802	42190	274	67625	967
	2010	801	40817	267	68134	959
	2011	899	42378	275	67560	1058
	2012	749	37787	261	67298	917

**Notes:** These estimates include only vessels fishing federal TACs. Registered net tons totals exclude mainly smaller vessels for which data were unavailable. Annually percentage of vessels missing is between 1-2%.

**Source:** NMFS Alaska Region Blend estimates, Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)).

National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 41: Number of vessels that caught groundfish off Alaska by area, vessel category, gear and target, 2008 - 2012

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Sablefish	2008	280	11	291	12	11	23	285	17	302
	2009	265	13	278	19	10	29	273	19	292
	2010	279	9	288	19	9	28	287	14	301
	2011	273	10	283	24	9	33	287	14	301
	2012	281	7	288	21	5	26	292	10	302
Pacific Cod	2008	240	18	258	33	39	72	258	41	299
	2009	219	16	235	16	38	54	230	39	269
	2010	219	19	238	16	36	52	227	39	266
	2011	296	15	311	18	32	50	304	36	340
	2012	181	9	190	11	32	43	189	35	224
Hook & Line	2008	-	-	-	-	7	7	-	7	7
	2009	-	-	-	-	9	9	-	9	9
	Flatfish	2010	-	-	-	12	12	-	12	12
	2011	-	-	-	-	8	8	-	8	8
	2012	-	-	-	-	7	7	-	7	7
Rockfish	2008	129	1	130	-	-	-	129	1	130
	2009	133	1	134	-	2	2	133	2	135
	2010	135	-	135	-	3	3	135	3	138
	2011	141	-	141	1	-	1	141	-	141
	2012	159	-	159	-	2	2	159	2	161
All Groundfish	2008	574	22	596	40	41	81	592	42	634
	2009	565	22	587	34	41	75	578	43	621
	2010	576	22	598	33	39	72	584	40	624
	2011	652	20	672	42	36	78	667	38	705
	2012	561	15	576	31	34	65	576	38	614

Continued on next page.

Table 41: Continued

		Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska			
		Year	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Pot	Pacific Cod	2008	143	1	144	56	7	63	174	8	182
		2009	122	2	124	43	4	47	151	5	156
		2010	111	-	111	43	7	50	137	7	144
		2011	143	1	144	47	5	52	173	5	178
		2012	124	1	125	49	5	54	160	5	165
Trawl	Pollock	2008	61	-	61	89	33	122	130	33	163
		2009	62	1	63	89	33	122	130	33	163
		2010	63	-	63	90	30	120	134	30	164
		2011	62	3	65	86	30	116	129	30	159
		2012	67	1	68	90	32	122	135	32	167
S6	Sablefish	2008	13	-	13	-	3	3	13	3	16
		2009	15	1	16	-	1	1	15	2	17
		2010	12	1	13	-	-	-	12	1	13
		2011	13	-	13	-	-	-	13	-	13
		2012	12	-	12	-	-	-	12	-	12
Trawl	Pacific Cod	2008	64	3	67	66	14	80	113	14	127
		2009	59	4	63	54	16	70	103	17	120
		2010	52	1	53	48	16	64	90	17	107
		2011	52	1	53	50	16	66	86	16	102
		2012	61	3	64	60	18	78	101	18	119
Flatfish	Flatfish	2008	33	6	39	3	34	37	35	35	70
		2009	33	6	39	1	29	30	34	30	64
		2010	27	6	33	-	29	29	27	30	57
		2011	31	6	37	3	29	32	33	30	63
		2012	32	5	37	4	30	34	36	31	67

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Table 41: Continued

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska			
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	
Rockfish	2008	28	11	39	2	12	14	29	15	44	
	2009	26	15	41	2	11	13	28	15	43	
	2010	27	15	42	2	15	17	29	19	48	
	2011	25	12	37	2	16	18	27	18	45	
	2012	30	16	46	2	17	19	32	20	52	
Trawl	2008	-	-	-	2	9	11	2	9	11	
	2009	-	-	-	1	12	13	1	12	13	
	Atka Mackerel	2010	-	1	1	2	7	9	2	10	
	2011	-	1	1	5	9	14	5	9	14	
	2012	-	-	-	3	11	14	3	11	14	
All Groundfish	2008	73	14	87	109	40	149	150	41	191	
	2009	71	18	89	110	36	146	148	37	185	
	2010	67	17	84	103	35	138	141	36	177	
	2011	68	17	85	105	36	141	140	37	177	
	2012	70	17	87	110	36	146	145	37	182	
All Gear	2008	755	37	792	208	85	293	883	87	970	
	2009	716	42	758	190	79	269	837	82	919	
	All Groundfish	2010	722	39	761	181	78	259	833	80	913
	2011	821	38	859	198	74	272	938	77	1015	
	2012	716	33	749	188	73	261	839	78	917	

**Notes:** The target is determined based on vessel, week, catching mode, NMFS area, and gear. These estimates include only vessels that fished part of federal TACs.

**Source:** NMFS Alaska Region Catch Accounting System estimates, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 42: Number of vessels, mean length and mean net tonnage for vessels that caught groundfish off Alaska by area, vessel-length class (feet), and gear, 2008 - 2012 (excluding catcher-processors).

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Hook & Line	2008	552	57	-	42	4	-	574	58	-
	2009	548	61	-	31	8	-	562	64	-
	2010	559	57	-	32	9	-	570	60	-
	2011	636	56	-	40	5	-	652	58	-
	2012	516	45	-	30	1	-	530	46	-
Number of vessels	Pot	108	32	3	19	36	10	116	57	10
	2009	97	25	-	19	24	8	105	45	8
	2010	86	24	1	13	25	9	90	42	9
	2011	117	26	-	15	30	8	123	48	8
	2012	101	23	-	20	23	9	111	43	9
Trawl	2008	27	44	2	5	76	28	27	95	28
	2009	27	44	-	7	75	28	27	93	28
	2010	24	43	-	5	70	28	25	88	28
	2011	23	45	-	1	76	28	23	89	28
	2012	23	47	-	6	74	30	24	91	30
Mean vessel length (feet)	Hook & Line	45	72	-	47	76	-	45	73	-
	2009	45	73	-	48	84	-	45	74	-
	2010	45	73	-	48	81	-	45	74	-
	2011	43	74	-	47	78	-	44	74	-
	2012	45	72	-	48	98	-	45	73	-
Pot	2008	54	92	132	54	106	129	54	99	129
	2009	54	87	-	56	105	134	54	96	134
	2010	54	91	133	56	105	134	55	98	134
	2011	53	92	-	57	107	135	53	100	135
	2012	54	91	-	57	108	134	54	100	134

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Table 42: Continued

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska			
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125	
Mean vessel length (feet) Trawl	2008	58	93	137	58	106	155	58	102	154	
	2009	58	94	-	58	107	155	58	102	155	
	2010	58	93	-	58	106	155	58	101	155	
	2011	58	93	-	58	105	155	58	101	155	
	2012	58	94	-	56	106	157	57	101	157	
Hook & Line	2008	26	61	-	30	91	-	26	63	-	
	2009	26	61	-	36	95	-	26	65	-	
	2010	25	65	-	36	106	-	26	70	-	
	2011	25	64	-	33	100	-	25	67	-	
	2012	26	64	-	38	156	-	27	66	-	
Mean Registered net tons	Pot	2008	44	100	121	51	125	125	45	113	124
	Pot	2009	46	96	-	61	129	128	48	112	128
	Pot	2010	46	96	97	66	119	145	49	107	140
	Pot	2011	43	103	-	67	120	147	46	112	147
	Pot	2012	44	104	-	68	123	145	48	114	145
Trawl	2008	65	105	204	68	116	238	66	112	235	
	2009	66	103	-	67	115	238	66	111	238	
	2010	71	103	-	67	116	238	70	111	238	
	2011	69	101	-	75	114	238	69	109	238	
	2012	69	102	-	59	114	244	67	110	244	

**Notes:** If the permit files do not report a length for a vessel, the vessel is counted in the "less than 60 feet" class. These estimates include only vessels that fished part of federal TACs.

**Source:** NMFS Alaska Region Catch Accounting System, ADFG fish tickets, observer data, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 43: Number of smaller hook-and-line vessels that caught groundfish off Alaska, by area and vessel-length class (feet), 2008 - 2012 (excluding catcher-processors)

	Year	<26	26-29	30-34	35-39	40-44	45-49	50-54	55-60	>=60
Gulf of Alaska	2008	15	10	62	82	108	95	65	115	57
	2009	18	9	67	71	113	86	64	120	61
	2010	16	9	71	72	108	98	62	123	57
	2011	34	18	90	82	122	102	67	121	56
	2012	12	10	60	60	109	83	60	122	45
Number of vessels	2008	1	-	5	7	4	4	6	15	4
	2009	1	-	3	3	3	5	5	11	8
	Bering Sea & Aleutian Islands	1	-	3	4	3	4	5	12	9
	2011	1	-	5	5	3	7	6	13	5
	2012	-	-	3	6	1	5	4	11	1
All Alaska	2008	15	10	67	86	111	95	68	122	58
	2009	19	9	69	72	114	89	66	124	64
	2010	17	9	72	74	109	99	63	127	60
	2011	35	18	92	85	122	103	69	128	58
	2012	12	10	61	65	110	84	61	127	46

**Notes:** If the permit files do not report a length for a vessel, the vessel is counted in the "<26" class.

**Source:** NMFS Alaska Region Catch Accounting System, ADFG fish tickets, observer data, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 44: Number of vessels, mean length and mean net tonnage for vessels that caught and processed groundfish off Alaska by area, vessel-length class (feet), and gear, 2008 - 2012

	Year	Gulf of Alaska				Bering Sea & Aleutian Islands				All Alaska						
		<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260
Hook & Line	2008	11	6	5	-	-	14	17	10	-	-	15	17	10	-	-
	2009	9	7	6	-	-	14	17	10	-	-	16	17	10	-	-
	2010	11	6	5	-	-	14	16	9	-	-	15	16	9	-	-
	2011	10	5	5	-	-	15	14	7	-	-	17	14	7	-	-
Number of vessels Pot	2008	-	1	-	-	-	5	1	1	-	-	5	2	1	-	-
	2009	1	1	-	-	-	2	1	1	-	-	2	2	1	-	-
	2010	-	-	-	-	-	4	2	1	-	-	4	2	1	-	-
	2011	-	1	-	-	-	2	2	1	-	-	2	2	1	-	-
Trawl	2008	4	1	7	1	1	7	4	11	3	15	8	4	11	3	15
	2009	5	3	8	1	1	6	4	10	3	13	7	4	10	3	13
	2010	3	3	9	1	1	5	4	9	3	14	6	4	9	3	14
	2011	4	2	9	1	1	5	4	10	3	14	6	4	10	3	14
Mean vessel length (feet)	2008	103	140	176	-	-	109	144	178	-	-	106	143	177	-	-
	2009	102	139	175	-	-	108	144	178	-	-	106	143	177	-	-
	2010	100	140	176	-	-	106	144	176	-	-	103	143	176	-	-
	2011	90	136	176	-	-	104	144	175	-	-	98	142	176	-	-
Pot	2008	-	165	-	-	-	105	165	166	-	-	105	165	166	-	-
	2009	104	165	-	-	-	106	165	166	-	-	105	165	166	-	-
	2010	-	-	-	-	-	98	165	166	-	-	98	165	166	-	-
	2011	-	165	-	-	-	101	165	166	-	-	101	165	166	-	-

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Table 44: Continued

	Year	Gulf of Alaska				Bering Sea & Aleutian Islands				All Alaska						
		<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260	<125	125-165	166-235	236-260	>260
Mean vessel length (feet)	2008	109	160	212	238	295	115	148	203	245	303	113	150	207	243	303
	2009	108	144	209	238	295	113	148	204	245	308	111	146	206	243	307
	2010	112	144	204	238	295	115	148	204	245	305	114	146	204	243	305
	2011	111	146	204	238	295	116	148	204	245	305	114	147	204	243	305
Mean registered net Pot tons	2008	119	273	562	-	-	128	297	546	-	-	124	291	552	-	-
	2009	121	277	555	-	-	119	297	546	-	-	120	292	550	-	-
	2010	126	225	562	-	-	129	308	471	-	-	128	286	504	-	-
	2011	98	242	562	-	-	117	291	513	-	-	109	278	534	-	-
Mean Trawl	2008	-	135	-	-	-	143	793	192	-	-	143	464	192	-	-
	2009	111	135	-	-	-	105	793	192	-	-	107	464	192	-	-
	2010	-	-	-	-	-	136	464	192	-	-	136	464	192	-	-
	2011	-	135	-	-	-	123	464	192	-	-	123	354	192	-	-
Trawl	2008	129	380	623	611	693	153	254	640	985	1659	144	279	633	892	1599
	2009	130	214	641	611	693	138	254	588	985	1647	134	237	611	892	1579
	2010	121	214	584	611	693	138	254	584	985	1711	132	237	584	892	1643
	2011	125	256	584	611	693	134	254	588	985	1711	130	254	586	892	1643

**Notes:** If the permit files do not report a length for a vessel, the vessel is counted in the "less than 125 feet" class. These estimates include only vessels that fished part of federal TACs.

**Source:** NMFS Alaska Region Catch Accounting System, NMFS permits (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 45: Number of vessels that caught groundfish off Alaska by area, tonnage caught, and gear, 2005 - 2012

Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
	<2 MT	2-25MT	>25MT	<2 MT	2-25MT	>25MT	<2 MT	2-25MT	>25MT
2005	306	257	203	17	25	54	323	276	233
2006	224	200	200	12	23	52	236	218	224
2007	195	174	213	11	19	44	204	190	234
Hook & Line	223	202	206	10	24	53	232	225	233
2009	209	218	204	10	16	54	219	231	232
2010	206	213	219	7	27	46	213	239	244
2011	250	241	221	11	23	47	260	262	250
2012	187	171	218	7	14	44	194	185	249
Pot	40	22	90	6	5	63	46	27	133
2006	41	15	90	4	13	57	45	28	129
2007	23	20	94	3	4	66	25	24	146
2008	24	31	89	4	4	64	28	35	138
2009	33	15	76	1	7	47	34	22	112
2010	13	9	89	1	5	48	14	14	121
2011	38	6	100	1	1	56	39	7	141
2012	26	16	83	1	-	56	27	16	128
Trawl	-	4	90	-	1	147	-	5	189
2006	-	-	90	-	2	142	-	2	190
2007	-	2	85	-	1	151	-	3	189
2008	-	1	86	-	3	146	-	4	191
2009	1	2	86	-	1	145	1	3	183
2010	-	-	84	1	-	137	1	-	176
2011	-	5	80	-	1	140	-	6	173
2012	-	1	86	-	5	141	-	6	182
All Gear	342	280	363	22	31	262	364	303	532
2006	263	213	364	15	37	248	278	245	522
2007	217	196	374	14	24	259	228	217	548
2008	246	232	360	14	29	260	259	259	534
2009	241	234	348	11	24	241	252	255	502
2010	219	221	368	9	32	228	228	252	515
2011	287	252	376	12	25	238	298	275	532
2012	213	188	367	8	19	237	221	207	533

**Notes:** These estimates include only vessels fishing part of federal TACs.

**Source:** NMFS Alaska Region Blend estimates, Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)).

National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 46: Number of vessels that caught groundfish off Alaska by area, residency, gear, and target, 2008 - 2012

	Year	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
		Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2008	-	-	-	1	-	1
	2009	1	-	-	-	1	-
	2010	1	-	-	-	1	-
	2011	5	-	1	-	6	-
	2012	1	-	-	-	1	-
Sablefish	2008	202	89	7	16	206	96
	2009	193	85	16	13	201	91
	2010	206	82	16	12	212	89
	2011	198	85	19	14	210	91
	2012	205	83	16	10	214	88
Pacific Cod	2008	220	38	33	39	237	62
	2009	206	29	23	31	219	50
	2010	208	30	20	32	217	49
	2011	277	34	22	28	286	54
	2012	171	19	19	24	184	40
Hook & Line	2008	-	-	-	7	-	7
	2009	-	-	-	9	-	9
	2010	-	-	2	10	2	10
	2011	-	-	2	6	2	6
	2012	-	-	-	7	-	7
Rockfish	2008	114	16	-	-	114	16
	2009	121	13	-	2	121	14
	2010	121	14	-	3	121	17
	2011	127	14	-	1	127	14
	2012	144	15	-	2	144	17
All Groundfish	2008	498	133	42	45	519	155
	2009	506	125	43	37	524	145
	2010	516	122	40	40	526	144
	2011	581	131	42	39	596	152
	2012	464	112	34	31	482	132
Pot Pacific Cod	2008	116	28	23	40	126	56
	2009	107	17	18	29	114	42
	2010	94	17	21	29	103	41
	2011	124	20	19	33	132	46
	2012	107	18	21	33	118	47
Trawl Pollock	2008	23	38	14	108	31	132
	2009	26	37	14	108	33	130
	2010	29	34	14	106	37	127
	2011	25	40	9	107	29	130
	2012	26	42	8	114	29	138

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Table 46: Continued

	Year	Gulf of Alaska		Bering Sea & Aleutian Islands		All Alaska	
		Alaska	Other	Alaska	Other	Alaska	Other
Sablefish	2008	4	9	-	3	4	12
	2009	7	9	1	-	8	9
	2010	4	9	-	-	4	9
	2011	6	7	-	-	6	7
	2012	5	7	-	-	5	7
Pacific Cod	2008	28	39	5	75	30	97
	2009	30	33	8	62	36	84
	2010	24	29	5	59	27	80
	2011	18	35	7	59	19	83
	2012	25	39	9	69	27	92
Trawl	2008	12	27	6	31	18	52
	2009	16	23	7	23	22	42
	2010	14	19	8	21	21	36
	2011	12	25	3	29	15	48
	2012	11	26	2	32	13	54
Rockfish	2008	14	25	3	11	17	27
	2009	16	25	2	11	16	27
	2010	18	24	3	14	19	29
	2011	12	25	1	17	13	32
	2012	13	33	-	19	13	39
Atka Mackerel	2008	-	-	-	11	-	11
	2009	-	-	1	12	1	12
	2010	-	1	-	9	-	10
	2011	-	1	-	14	-	14
	2012	-	-	-	14	-	14
All Groundfish	2008	31	56	16	133	39	152
	2009	36	53	16	130	40	145
	2010	34	50	15	123	38	139
	2011	26	59	11	130	30	147
	2012	27	60	11	135	31	151
All Gear All Groundfish	2008	621	206	82	217	659	351
	2009	616	186	78	196	645	322
	2010	621	180	77	190	646	313
	2011	701	198	74	201	727	331
	2012	570	179	64	197	601	316

**Notes:** The target is determined based on vessel, week, processing mode, NMFS area, and gear. Vessels are classified by the residency of the owner of the fishing vessel. These estimates include only vessels fishing part of federal TACs.

**Source:** NMFS Alaska Region Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 47: Number of vessels that caught groundfish off Alaska by month, area, vessel type, and gear, 2008 - 2012

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Hook & Line	2008	86	96	126	156	214	169	148	156	147	76	34	10	609
	2009	102	65	77	192	262	127	111	115	150	112	23	6	609
	2010	83	73	99	188	241	130	135	123	169	84	26	15	616
	2011	89	80	142	251	186	138	117	95	181	134	35	60	692
	2012	87	121	176	144	184	180	116	130	181	118	49	34	561
Catcher Vessels	2008	82	88	97	29	-	-	-	-	26	28	26	5	143
	2009	71	79	52	32	1	-	-	-	21	27	12	-	122
	Pot	69	88	43	8	2	1	-	-	45	23	1	2	111
	2011	72	107	77	-	-	-	-	1	56	51	4	25	143
	2012	64	91	90	1	-	-	-	-	42	39	27	19	124
Trawl	2008	40	50	61	37	22	11	19	34	40	42	21	4	73
	2009	46	50	49	22	19	18	10	34	39	50	13	6	71
	2010	52	53	48	37	24	16	14	36	53	50	12	3	67
	2011	39	42	51	29	19	13	8	20	50	54	8	1	68
	2012	33	57	53	27	20	16	13	22	59	57	20	4	70
Gulf of Alaska	2008	206	230	275	220	236	180	167	190	212	145	81	19	790
	2009	217	192	173	244	282	145	121	149	208	181	48	12	760
	All Gear	202	205	186	233	267	147	149	159	260	155	39	20	762
	2010	198	226	258	279	205	151	125	116	285	237	47	86	861
	2012	184	262	313	171	204	196	129	151	282	211	96	57	716
Hook & Line	2008	1	14	15	9	4	2	2	3	4	4	-	-	22
	2009	2	14	3	7	10	1	2	3	2	5	4	-	22
	2010	3	17	5	3	4	3	2	3	11	6	-	-	22
	2011	10	8	1	5	4	2	2	2	7	5	2	3	20
	2012	7	4	4	7	4	3	2	1	2	4	2	1	15
Catcher Processors	2008	-	1	1	-	-	-	-	-	-	-	-	-	1
	2009	-	2	-	-	-	-	-	-	-	-	-	-	2
	Pot	1	1	-	-	-	-	-	-	-	-	-	-	1
	2011	1	-	-	-	-	-	-	-	-	-	-	-	1
	2012	1	-	-	-	-	-	-	-	-	-	-	-	1
All Gear	2008	2	3	4	6	2	-	13	3	2	4	1	-	14
	2009	-	2	1	5	2	-	17	4	3	3	1	1	18
	Trawl	-	1	4	5	2	-	16	1	1	2	2	2	17
	2010	-	1	3	6	1	4	14	3	2	3	2	-	17
	2011	-	1	5	1	1	17	6	1	2	1	1	1	17
	2008	3	18	20	15	6	2	15	6	6	8	1	-	37
	2009	2	18	4	12	12	1	19	7	5	8	5	1	42
	2010	3	18	9	8	6	3	18	4	12	8	2	2	39
	2011	11	10	4	11	5	6	16	5	9	8	4	3	38
	2012	10	5	4	12	5	4	19	7	3	6	3	2	33

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Table 47: Continued

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Hook & Line	2008	5	8	10	2	10	14	11	22	12	6	2	1	46
	2009	7	8	9	2	3	11	10	13	11	7	2	1	39
	2010	2	4	2	2	11	15	15	17	18	8	4	-	41
	2011	4	4	4	4	14	14	20	18	18	9	2	-	45
	2012	3	4	4	3	11	9	15	12	8	6	3	-	31
Catcher Vessels	2008	42	7	13	6	13	8	6	4	25	28	9	1	65
	2009	28	14	15	7	12	8	6	4	6	11	6	5	51
	Pot	27	8	14	5	5	3	2	2	10	17	11	-	47
	2011	35	12	16	6	9	6	3	3	29	31	3	-	53
	2012	38	18	8	9	3	2	1	1	22	16	5	7	52
Trawl	2008	84	101	104	50	3	59	68	62	61	30	5	-	109
	2009	65	96	103	49	-	68	71	66	30	10	1	-	110
	2010	47	89	99	58	-	59	67	64	29	12	-	-	103
	2011	53	94	91	74	1	69	72	69	56	49	4	-	105
	2012	66	88	100	51	2	71	74	74	55	25	14	-	110
Bering Sea & Aleutian Islands	2008	131	116	127	58	26	81	85	87	98	64	16	2	214
	2009	100	118	127	58	15	86	87	83	47	28	9	6	195
	All Gear	76	101	115	65	16	77	84	83	57	37	15	-	189
	2011	92	110	111	84	23	89	95	90	103	89	9	-	201
	2012	107	110	112	63	16	82	90	87	85	47	22	7	188
Hook & Line	2008	36	36	15	6	3	8	15	39	38	37	34	17	41
	2009	37	37	14	8	5	9	16	36	37	36	34	32	41
	2010	36	36	13	7	7	9	15	25	27	28	26	20	39
	2011	24	28	29	24	15	15	23	27	30	31	28	24	36
	2012	24	27	29	25	14	22	30	30	31	28	27	29	34
Pot	2008	6	-	2	2	2	1	2	1	5	4	1	-	7
	2009	3	2	1	1	2	2	-	-	3	3	3	3	4
	2010	3	4	3	3	3	3	-	2	5	4	3	1	7
	2011	5	-	1	2	1	-	-	-	2	3	1	1	5
	2012	5	2	1	1	1	1	1	1	3	3	3	-	5
Catcher Processors	2008	34	38	39	24	20	23	31	34	34	29	19	3	40
	2009	31	34	34	26	15	18	29	32	29	22	8	-	36
	Trawl	28	33	32	22	19	24	28	29	25	20	12	2	35
	2011	27	34	33	31	21	32	32	31	33	32	25	6	36
	2012	28	33	33	19	20	33	28	30	33	20	14	4	36
All Gear	2008	76	74	56	32	25	32	47	74	76	69	54	20	85
	2009	71	73	49	35	21	29	45	68	69	61	45	35	79
	2010	67	72	48	32	29	36	43	56	57	52	41	23	78
	2011	56	62	63	57	37	47	55	58	65	65	54	31	74
	2012	57	62	63	45	35	56	59	61	67	51	44	33	73

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Table 47: Continued

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Hook & Line	2008	91	100	135	158	221	183	158	177	156	82	36	11	632
	2009	109	71	85	194	265	136	120	128	159	119	25	7	626
	2010	85	75	101	189	250	144	145	139	182	91	30	15	630
	2011	91	83	146	255	199	151	135	112	193	141	37	60	710
	2012	90	125	180	147	194	187	130	139	188	124	52	34	576
Catcher Vessels	2008	112	92	105	35	13	8	6	4	51	55	34	6	183
	2009	96	90	62	39	13	8	6	4	27	38	18	5	158
	Pot	94	94	55	13	7	4	2	2	55	38	12	2	141
	2011	101	115	89	6	9	6	3	4	84	82	7	25	179
	2012	99	105	98	10	3	2	1	1	63	54	31	26	163
Trawl	2008	124	145	147	83	25	69	83	95	97	72	26	4	150
	2009	111	145	140	70	19	79	81	99	68	60	14	6	148
	2010	99	135	134	91	24	71	78	97	82	60	12	3	141
	2011	92	124	134	99	20	77	78	87	105	102	12	1	140
	2012	99	140	137	74	22	83	86	95	111	81	34	4	145
All Alaska	2008	325	333	378	273	259	260	247	275	303	208	96	21	923
	2009	314	304	282	301	295	222	207	231	252	209	57	18	885
	All Gear	276	295	286	293	281	219	225	238	312	187	54	20	879
	2010	282	319	357	359	227	234	216	203	380	323	56	86	981
	2012	288	363	409	230	218	272	217	234	362	255	117	64	839
Hook & Line	2008	37	37	23	13	6	10	17	40	41	40	34	17	42
	2009	38	38	16	12	12	10	18	37	39	38	36	32	43
	2010	38	38	17	8	10	10	16	27	32	31	26	20	40
	2011	30	32	29	26	17	17	25	28	35	33	28	25	38
	2012	27	29	31	29	17	24	31	31	33	31	29	30	38
Pot	2008	6	1	3	2	2	1	2	1	5	4	1	-	8
	2009	3	4	1	1	2	2	-	-	3	3	3	3	5
	2010	3	4	3	3	3	3	-	2	5	4	3	1	7
	2011	5	1	1	2	1	-	-	-	2	3	1	1	5
	2012	5	2	1	1	1	1	1	1	3	3	3	-	5
Catcher Processors	2008	36	40	41	27	22	23	35	36	35	30	19	3	41
	2009	31	35	35	29	17	18	34	34	30	24	9	1	37
	Trawl	28	34	33	25	20	24	31	30	26	21	13	4	36
	2011	27	35	34	34	22	33	35	33	34	33	27	6	37
	2012	29	33	33	20	21	34	34	33	33	21	15	5	37
All Gear	2008	79	77	67	42	30	34	53	77	80	73	54	20	87
	2009	72	76	52	42	30	30	52	71	72	65	48	36	82
	2010	69	75	53	36	33	37	47	59	63	56	42	25	80
	2011	62	67	64	62	40	50	60	61	71	68	56	32	77
	2012	61	64	65	50	39	59	66	65	69	55	47	35	78

**Notes:** These estimates include only vessels fishing part of federal TACs.

**Source:** NMFS Alaska Region Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 48: Catcher vessel (excluding catcher-processors) weeks of fishing groundfish off Alaska by area, vessel-length class (feet), gear, and target, 2008 - 2012

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Sablefish	2008	642	193	-	28	3	-	671	196	-
	2009	613	170	-	36	16	-	649	186	-
	2010	690	187	-	58	14	-	748	201	-
	2011	705	176	-	65	11	-	770	187	-
	2012	916	213	-	74	9	-	990	222	-
Pacific Cod	2008	1068	47	-	136	0	-	1204	47	-
	2009	1103	47	-	60	-	-	1164	47	-
	2010	972	25	-	71	0	-	1044	25	-
	2011	1185	43	-	106	1	-	1291	44	-
	2012	1163	32	-	54	-	-	1217	32	-
Hook & Line	2008	325	5	-	-	-	-	325	5	-
	2009	331	6	-	-	-	-	331	6	-
	2010	411	4	-	-	-	-	411	4	-
	2011	422	1	-	1	-	-	423	1	-
	2012	529	3	-	-	-	-	529	3	-
Rockfish	2008	2035	245	-	165	3	-	2199	248	-
	2009	2058	225	-	96	16	-	2155	241	-
	2010	2087	217	-	130	14	-	2217	231	-
	2011	2319	220	-	172	12	-	2491	232	-
	2012	2610	248	-	128	9	-	2738	257	-
All Groundfish	2008	741	236	5	98	176	56	839	412	61
	2009	617	146	-	114	65	21	732	211	21
	2010	585	140	2	82	129	32	667	269	34
	2011	826	181	-	123	152	35	949	333	35
	2012	665	270	-	175	103	37	840	373	37

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Table 48: Continued

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska		
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125
Pollock	2008	92	227	1	-	849	528	92	1077	529
	2009	95	131	-	-	783	450	95	913	450
	2010	194	324	-	1	713	433	195	1037	433
	2011	169	289	-	-	996	603	169	1284	603
	2012	183	360	-	-	897	606	183	1258	606
Sablefish	2008	-	12	-	-	-	-	-	12	-
	2009	-	15	-	-	-	-	-	15	-
	2010	-	9	-	-	-	-	-	9	-
	2011	-	12	-	-	-	-	-	12	-
	2012	-	8	-	-	-	-	-	8	-
Trawl	2008	119	166	1	15	300	44	134	466	45
	2009	102	71	-	28	222	22	130	293	22
	Pacific Cod	37	128	-	18	197	25	55	325	25
	2011	29	122	-	1	255	36	30	377	36
	2012	85	130	-	18	266	47	103	396	47
Flatfish	2008	19	268	4	-	5	15	19	273	19
	2009	16	323	-	-	-	4	16	323	4
	2010	16	194	-	-	-	-	16	194	-
	2011	2	188	-	-	0	16	2	189	16
	2012	6	128	-	-	1	28	6	129	28
Rockfish	2008	1	86	1	-	6	3	1	92	4
	2009	2	79	-	-	-	9	2	79	9
	2010	2	90	-	-	-	5	2	90	5
	2011	-	78	-	-	-	6	-	78	6
	2012	9	103	-	-	-	6	9	103	6

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Table 48: Continued

	Year	Gulf of Alaska			Bering Sea & Aleutian Islands			All Alaska			
		<60	60-125	>=125	<60	60-125	>=125	<60	60-125	>=125	
Trawl	2008	-	-	-	-	0	7	-	0	7	
	Atka Mackerel	2009	-	-	-	-	14	-	-	14	
		2010	-	-	-	1	13	-	1	13	
		2011	-	-	-	3	15	-	3	15	
		2012	-	-	-	-	22	-	-	22	
	All Groundfish	2008	231	760	7	15	1160	597	246	1920	604
		2009	215	622	-	28	1005	499	243	1627	499
		2010	249	746	-	19	911	476	268	1657	476
		2011	200	691	-	1	1254	675	201	1945	675
		2012	284	731	-	18	1164	708	302	1895	708
All Gear	All Groundfish	2008	3008	1240	12	298	1400	653	3306	2640	665
		2009	2891	994	-	251	1155	538	3142	2149	538
		2010	2926	1102	2	230	1103	530	3156	2205	532
		2011	3345	1091	-	296	1478	727	3641	2569	727
		2012	3559	1249	-	321	1305	755	3880	2554	755

**Notes:** These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories.

**Source:** NMFS Alaska Region Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 49: Catcher/processor vessel weeks of fishing groundfish off Alaska by area, vessel-length class (feet), gear, and target, 2008 - 2012

	Year	Gulf of Alaska				Bering Sea & Aleutian Islands				All Alaska			
		<60	60-124	125-230	>230	<60	60-124	125-230	>230	<60	60-124	125-230	>230
Sablefish	2008	11	26	24	-	1	25	15	-	12	51	39	-
	2009	5	24	24	-	12	38	22	-	17	62	45	-
	2010	6	5	26	-	-	36	18	-	6	41	44	-
	2011	9	3	29	-	2	67	9	-	11	70	38	-
	2012	8	-	25	-	-	75	6	-	8	75	31	-
Pacific Cod	2008	10	32	21	-	5	236	591	-	15	268	612	-
	2009	2	47	17	-	6	245	606	-	8	292	624	-
	2010	15	45	30	-	12	198	528	-	27	243	558	-
	2011	13	63	23	-	2	252	696	-	15	315	719	-
	2012	11	45	9	-	10	319	732	-	21	364	742	-
Hook & Line	2008	-	-	-	-	-	-	29	-	-	-	29	-
	2009	-	-	-	-	-	-	51	-	-	-	51	-
	Flatfish	2010	-	-	-	3	4	70	-	3	4	70	-
	2011	-	-	-	-	2	2	47	-	2	2	47	-
	2012	-	-	-	-	-	7	45	-	-	7	45	-
Rockfish	2008	1	-	-	-	-	-	-	-	1	-	-	-
	2009	-	-	2	-	-	-	1	-	-	-	3	-
	2010	-	-	-	-	-	-	0	-	-	-	0	-
	2012	-	-	-	-	-	1	0	-	-	-	1	0
	All Groundfish	2008	22	58	45	-	6	261	636	-	28	319	681
	2009	7	71	43	-	18	283	682	-	25	354	725	-
	2010	21	50	56	-	15	238	617	-	36	288	673	-
	2011	22	66	52	-	6	321	752	-	28	387	804	-
	2012	19	45	34	-	10	402	784	-	29	447	818	-

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Table 49: Continued

		Year	Gulf of Alaska				Bering Sea & Aleutian Islands				All Alaska			
			<60	60-124	125-230	>230	<60	60-124	125-230	>230	<60	60-124	125-230	>230
Pot	Pacific Cod	2008	-	-	2	-	-	37	21	-	-	37	23	-
		2009	-	4	2	-	-	32	37	-	-	36	39	-
		2010	-	-	-	-	21	67	25	-	21	67	25	-
		2011	-	-	3	-	-	15	29	-	-	15	32	-
		2012	-	-	0	-	-	22	38	-	-	22	38	-
Trawl	Pollock	2008	-	-	-	-	-	1	36	289	-	1	36	289
		2009	-	0	-	-	-	4	16	242	-	4	16	242
		2010	-	-	-	-	-	3	9	237	-	3	9	237
		2011	-	0	0	-	-	4	10	414	-	4	10	414
		2012	-	0	-	-	-	2	5	313	-	2	5	313
Trawl	Sablefish	2008	-	-	-	-	-	0	0	-	-	0	0	-
		2009	-	-	0	-	-	-	0	-	-	-	0	-
		2010	-	-	0	-	-	-	-	-	-	-	0	-
	Pacific Cod	2008	-	6	0	-	-	6	9	8	-	12	9	8
		2009	-	6	0	-	-	6	9	6	-	12	9	6
		2010	-	0	-	-	-	5	7	8	-	5	7	8
		2011	-	-	1	-	-	3	4	1	-	3	5	1
		2012	-	4	0	-	-	6	3	5	-	10	3	5
Flatfish	Flatfish	2008	-	53	8	-	-	190	389	74	-	243	397	74
		2009	-	57	9	-	-	159	333	49	-	216	342	49
		2010	-	49	9	-	-	148	357	51	-	198	366	51
		2011	-	50	17	-	-	144	407	52	-	194	423	52
		2012	-	39	10	-	-	125	403	69	-	164	412	69

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Table 49: Continued

	Year	Gulf of Alaska				Bering Sea & Aleutian Islands				All Alaska			
		<60	60-124	125-230	>230	<60	60-124	125-230	>230	<60	60-124	125-230	>230
Rockfish	2008	-	7	23	2	-	0	15	8	-	8	38	9
	2009	-	9	28	2	-	1	11	8	-	11	38	10
	2010	-	3	33	3	-	0	18	7	-	3	51	10
	2011	-	-	29	2	-	5	24	12	-	5	53	14
	2012	-	3	26	1	-	5	25	10	-	8	51	11
Trawl	2008	-	-	-	-	-	2	62	23	-	2	62	23
	2009	-	-	-	-	-	1	76	33	-	1	76	33
	Atka Mackerel	-	-	0	-	-	-	77	33	-	-	77	33
	2011	-	-	0	-	-	0	60	25	-	0	60	25
	2012	-	-	-	-	-	1	63	24	-	1	63	24
All Groundfish	2008	-	67	31	2	-	198	511	401	-	265	542	403
	2009	-	73	37	2	-	171	445	339	-	244	482	341
	2010	-	53	43	3	-	157	467	335	-	210	510	338
	2011	-	50	47	2	-	156	505	504	-	206	552	506
	2012	-	46	36	1	-	140	498	422	-	186	534	423
All Gear All Groundfish	2008	22	125	78	2	6	509	1168	401	28	634	1246	403
	2009	7	147	82	2	18	487	1164	339	25	634	1246	341
	2010	21	103	99	3	36	462	1109	335	57	565	1208	338
	2011	22	116	102	2	6	495	1292	504	28	611	1394	506
	2012	19	91	71	1	10	576	1319	422	29	667	1390	423

**Notes:** These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories.

**Source:** NMFS Alaska Region Catch Accounting System, fish tickets, observer data, federal permit file, CFEC vessel data (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 50: Total at-sea processor vessel crew weeks in the groundfish fisheries off Alaska by month and area, 2008 - 2012

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Gulf of Alaska	2008	77	635	700	835	116	*	1275	252	118	216	*	-	4224
	2009	*	718	138	610	405	*	1571	311	132	440	180	*	4505
	2010	67	630	237	544	265	55	1629	102	462	446	*	*	4437
	2011	498	267	112	635	251	196	1404	323	376	483	167	175	4887
	2012	370	186	86	471	220	144	1161	396	128	178	110	*	3450
Bering Sea & Aleutian Islands	2008	6328	14865	12884	3377	3536	3524	8946	14262	12968	9477	3990	977	95134
	2009	8129	12326	10323	4557	2686	4792	9660	13086	9789	7016	3137	1081	86582
	2010	7796	12775	10917	4412	3899	5642	10889	9459	7091	6079	3380	1326	83665
	2011	6507	13905	14206	8407	3882	7895	13796	12261	12658	14698	5131	2105	115451
	2012	6630	14147	16318	4383	3621	10977	12092	12300	11670	5207	3683	2717	103745
All Alaska	2008	6405	15500	13584	4212	3652	3524	10221	14514	13086	9693	3990	977	99358
	2009	8129	13044	10461	5167	3091	4792	11231	13397	9921	7456	3317	1081	91087
	2010	7863	13405	11154	4956	4164	5697	12518	9561	7553	6525	3380	1326	88102
	2011	7005	14172	14318	9042	4133	8091	15200	12584	13034	15181	5298	2280	120338
	2012	7000	14333	16404	4854	3841	11121	13253	12696	11798	5385	3793	2717	107195

**Notes:** Crew weeks are calculated by summing weekly reported crew size over vessels and time period. These estimates include only vessels targeting groundfish counted toward federal TACs. Catcher processors typically account for 90-95% of the total crew weeks in all areas.

**Source:** Weekly Processor Reports (housed at the Alaska Fisheries Information Network (AKFIN)). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.